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No. 1,859 Vol. LXXXVII SEPTEMBER 11, 1915.

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Parke, Davis & Co.
Scott & Bowne, Ltd.
Stevenson, H. E., & Co.
Wyleys, Ltd.

Enamelled Hospital Requisites
Orme, Evans & Co., Ltd.

Endolytic Tubes
Fletcher, Fletcher & Co. Ltd

Enemas
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Warne, W., & Co., Ltd

Epsom Salts
Howards & Sons, Ltd.
May & Baker, Ltd.

Essences, Sol. and Fruit
Alliance Drug & Chem.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Polak & Schwarz
Stevenson & Howell, Ltd

Ethers
Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

Eucalyptus Oil
British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Co.

Evaporators
Forshaw, E., & Son, Ltd.

Extract of Herbs
Newball & Mason
Potter & Clarke, Ltd.

Extracts (Medicinal)
Allen, Stafford, & Sons, Ltd.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb, Ld.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W. & Son, Ltd.

Factory, &c., Sites
Great Western Railway

Feeding Bottles
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.

Filling Machines
Forgrove Machinery Co., Ltd
Roberts' Pat. Filling Mach Co.

Filters
British Pasteur-Chamberland Filter Co.

Flycatchers
Alabastine Co. (British) Ltd.
Kay Bros., Ltd.
Smith, Jno. H., & Co.

Foods, Invalid, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
British Milk Products Co., Ld
Deans, Logan & Co., Ltd.
Fairchild Bros. & Foster
Frame Food Co.
Harker, Stagg & Morgan, Ltd
Lorimer, John
Lofthouse & Saltmer, Ltd.
Natural Food Co., Ltd.
Plasmon, Ltd.
Sister Lauras Infant Food Co.
Southall Bros. & Barclay, Ltd
Wander, A., Ltd.
White, A. J., Ltd.
Willows, Francis, B. & T., Ltd.
Woolley, Jas., Sons & Co., Ltd.
Wulfing, A., & Co.

Foot Appliances
Scholl Mnfg. Co., Ltd.

Fruit Drink
McGlashan, D.

Fuller's Earth
Mumford, G. S., & Sons

Fumigators
Sanitas Co., Ltd.

Gallic Acid
Mallinckrodt Chem. Works

Gauzes
Bailey, R., & Son
Carnegie Bros.

Glassware, Chemical
Lang, Jules, & Son

Glycerin
Price's Patent Candle Co., Ltd.

Glycerophosphates
Monsanto Chemical Works
Reitmeyer Calburn & Kindersley, Ltd.

Grease Paints
Hovenden, R. & Sons Ltd.
Quelch, Henry C., & Co.

Grinders, Drug, &c.
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T., Ltd.

Gripe Water
Woodward, W., Ltd.

Gums
Fink, P., & Co.
Kidston, W. M., & Co.
Lambert, Saml., & Co.

Hair Dyes
Harker, C.R., Stagg & Morgan
Blackie, Robert

Hair Preparations
Alexandre, L.
Anzora Perfumery Co.
Blackie, Robert
Edwards' "Harlene" Co.
Ni-Verre Chemical Co.
Sangers
Tokalon Ltd.

Hand Carts, Trucks, &c.
Crewe & Co.

Hat Cleaners
Cox, Arthur H., & Co., Ltd.
Milner's Chemical Co.

Hat Dyes
Whitaker & Co.

Herbs
Potter & Clarke, Ltd.
Salle, H., & Co.

Hexamethylen-tetramine
Reitmeyer Calburn & Kindersley, Ltd.

Homœopathic Medicines
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.

Horse Remedies
Harvey & Co. (Dublin), Ltd.

Hot Water Bottles
Bailey, W. H., & Son
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Chemists' Sundries, Ltd.
Galen Manfg. Co., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Toogood, William, Ltd.
Warne, Wm., & Co., Ltd.
Wood, Vincent

Hot Water Bottle Stoppers
Rowe, T. Wilfrid

Hotels
Kingsley Hotel
Thackeray Hotel

Hydrogen Peroxide
Laporte, B., Ltd.
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co. Ltd.

Hypophosphites
May & Baker, Ltd
Tyrer, T., & Co., Ltd.

Ink, Dichroic
Bewley & Draper, Ltd.

Insecticides
Christy, T., & Co.
Cook, E., & Co., Ltd.
Hand, C., & Co.

Insect Powder
Potter & Clarke, Ltd.
Raimes & Co.

Iodides
Tyrer, T., & Co., Ltd.

Junket Powder
Armour & Co., Ltd.

Lanolines
Christy, T., & Co.
Corbyn, Stacey & Co., Ltd.
Hillcrest Oil Co., Ltd.
Howard Lloyd & Co., Ltd.

Lard
Ewen, J., & Sons

Lavender Oil
Allen, Stafford, & Sons, Ltd.
Guillevic, E., & Co.
Ransom, W., & Son, Ltd.

Lavender Water
Bush, W. J., & Co., Ltd.

Lime Juice and Cordial
Evans Sons Lescher & Webb, Ld
Idris & Co., Ltd.

Linseed, Crushed
Mumford, G. S., & Sons

Lints
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.
Vernon & Co., Ltd.

Liquorice Juice
Boehm, P., Ltd.
Jackson, Ernest, & Co.
Solazzi

Liquors, Conc.
Fletcher, Fletcher & Co.

Lithia Salts
British Drug Houses, Ld., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.

Loofah Socks
Davis, J. M., & Sons

Loofahs
Hall Forster & Co., Ltd
Internl. Sponge Importers, Ld
Solport Bros., Ltd.
Swales, Thos.

Lozenges
Crosse & Blackwell
Denoual, Jules, & Co.
Gnest, Thos., & Co.
Jackson, Ernest, & Co.
Parke, Davis & Co.
Potter & Clarke, Ltd.
Raimes & Co.
Warrick Bros., Ltd.

Lysols
Aerators, Ltd.
Burt, Boulton & Haywood, Ld
Eucryl Ltd.
Evans Sons Lescher & Webb, Ld
Lorimer, John
Zimmermann, C. & Co (Chemicals), Ltd.

Machinery, Pharmacal
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Blair, Campbell & McLean, Ld.
Forgrove Machinery Co., Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, John J., & Sons, Ltd.
Jackson, J. G., Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Magnesia and Preps.
Henry, T. & W.
Howards & Sons, Ltd.
International Chem. Co., Ld.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ld.

Malt Extract and Preps.
Allen & Hanburys, Ltd.
Blackie, Robert
British Drug Houses, Ld., The
Burroughs Wellcome & Co.
Calder, James, & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ld
Fletcher, Fletcher & Co., Ltd.
May, Roberts & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Pascall, James, Ltd.
Tolkein, C., & Co.
Wander, A., Ltd.
Wyleys, Ltd.

Marking Ink
John Bond ('Crystal Palace')

Measures, Graduated
Bush, H. W., & Co., Ltd.

Meat Extracts
Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.

Mercurials
Alliance Drug & Chemical Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Methylated Spirit
Burrough, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd. [Co., Ld.
Thornley, Samuel, Ltd.

Mineral Waters
Camwal, Ltd.
Cheltenham Mineral Water Co.
Idris & Co., Ltd.
Ingram & Royle, Ltd.
Norske Mineralkilder

Mixers and Sifters
Gardner, Wm. & Sons (Glos.) Ld
Stokes, F. J., Machine Co.

Naphthalene
Burt, Boulton & Haywood, Ld

Night Lights
Price's Patent Candle Co., Ld.

Oils, Essential
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co.
Arthur & Co.
Boake Roberts & Co., Ltd.
Boehm, P., Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Etna Essential Oil Co.
Evans Sons Lescher & Webb, Ld
Guillevic, E., & Co.
Lambert, Saml., & Co.
Lane-Hall, R., & Co.
London Essence Co.
Magnus, Mabee & Reynard Inc.
Naef, M., & Co.
Polak & Schwarz
Ransom, W., & Son, Ltd.
Stevenson & Howell, Ltd.
Verons Chemical Co.
Wiener, R. O., & Co.
Wright, Layman & Umney, Ld.
Zimmermann, C., & Co., Ltd.

Oils, Mineral, Fatty, &c.
Allen, Stafford, & Sons, Ltd.
Boehm, P., Ltd.
Hertz & Co.
Price's Patent Candle Co. Ld.
Stern Sonneborn Oil Co., Ltd.

Ointments
Blackie, Robert | Burgess, E.
Mentholatum Co.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol) Ltd.

Olive Oil
Farris, Charles
Ferrer, J., & Co.
Guillevic, E., & Co.

Opium Preparations
Ferris & Co., Ltd.
Oldfield, Pattinson & Co.

Optical Goods
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd.
Standard Optical Co., Ltd.

Optical Tuition
British Optical Institute
College of Optics

Orange and Quinine Wine
Hobson, Joseph, & Son
Idris & Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

Organic Solvents
Hopkin & Williams, Ltd.

Organo-Therapeutic Preps.
Armour & Co., Ltd.
British Organotherapy Co., Ld
Digestive Ferments Co.
Duncan, Flockhart & Co.

Otto Rose
Guillevic, E., & Co.
Shipkoff & Co.
Zimmermann, C., & Co., Ltd.

Otto Rose (Synth.)
Bush, W. J., & Co., Ltd.
Guillevic, E., & Co.
Kerfoot, Thos., & Co.
Polak & Schwarz
Stevenson & Howell, Ltd
Stevenson, H. E., & Co.
Warrick Bros., Ltd.
Wright, Layman & Umney, Ld.

Oxygen Baths
Wright & Co.

Packed Goods
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Corbyn, Stacey & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupal, Ltd.
Davies, Sons, & Co.
Evans Sons Lescher & Webb, Ld
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Lofthouse & Saltmer, Ltd.
May, Roberts & Co., Ltd.
Oldfield, Pattinson & Co
Potter & Clarke, Ltd.
Sangers | Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd
Standard Tablet & Pill Co., Ld.
Toogood, W., Ltd.

Palatinoids
Oppenheimer, Son & Co., Ltd.

Paper Handkerchiefs
Toinoco Handkerchief Co., Ld

Paraffinum Liquidum
British Lianosoff White Oil Co., Ltd.
Browning, Wm. & Co
Chesebrough Mnfg. Co.
Farris, Charles
Snowdon Sons & Co., Ltd.
Stern Sonneborn Oil Co. Ltd.
Wiener, R. O., & Co.

Pastilles
Allen & Hanburys, Ltd.
Burroughs Wellcome & Co.
Demuth's Laboratories
Evans Sons, Lescher & Webb
Gnest, Thos., & Co.
Kerfoot, Thomas, & Co.
Wander, A., Ltd.
Warrick Bros., Ltd.

Patent Agents
Barker, R. W.
Raworth, John E.

Peppermint Oil
Allen, Stafford, & Sons Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Ransom, W., & Son, Ltd.
Rudd, F. M.
Stevenson & Howell, Ltd.

Pepsine
Digestive Ferments Co.

Peptone
Armour & Co., Ltd.
Digestive Ferments Co.
Fairchild Bros. & Foster

Perfume Materials
Bush, W. J., & Co., Ltd.
Fuerst Bros
Guillevic, E., & Co.
Kerfoot, T., & Co.
Lane-Hall, R., & Co.
Naef, M., & Co., Succrs.
Polak & Schwarz
Salle, H., & Co.
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ld.
Zimmermann, C., & Co., Ltd.

Perfumes
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ld., The
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Demuth's Laboratories
Erasmic Co., Ltd.
Evans Sons Lescher & Webb, Ld
Lescol Perfumery Co.
Lorimer, John
Piver, L. T., & Cie

Potter & Clarke, Ltd.
Price's Co., Ltd.
Quelch, H. C., & Co. | Rigat
Shirley Bros., Ltd.
Southall Bros. & Barclay, L
Tozana Perfumery Co.
Vinolia Co., Ltd.
Warrick Bros., Ltd.
West, T., & Son

Perles
Tye, John, & Son

Pessaries (Soluble)
Burge, Warren & Ridgley, L
Rendell, W. J.

Petroleum Jelly
Chesebrough Manfg. Co.
Kidston, W. M., & Co.
Meade-King, Robinson & C
Stern Sonneborn Oil Co., L
Wiener, R. O., & Co.

Phenacetin
Greeff, R. W., & Co.
Monsanto Chemical Works
Reitmeyer Calburn & K dersley, Ltd.

Phosphorus and Preps.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Photo. Chemicals
Greeff, R. W., & Co.
Lane-Hall, R., & Co.
Reitmeyer Calburn & K dersley, Ltd.

Photo. Goods
Ayrton, Saunders & Co., L
Burroughs Wellcome & C
Buttcher, W., & Sons, Ltd.
Evans Sons Lescher & Webb
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Rajar, Ltd.
Sangers
Wyleys, Ltd.

Photo. Postcards
Rajar, Ltd.

Pill Makers
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howard Lloyd & Co., Ltd
Kirby, H. & T., & Co., Ltd
McKesson & Robbins
Standard Tablet & Pill Co
Wand Manufacturing Co

Plasters
Dalmas, A. de St., & Co.
Galen Manufctg. Co., Ltd

Pleated Paper
Darter, Wilkinson & Co.

Pocket Spittin Flasks
Beatson, Clark & Co., Ltd

Polishes (Vario
Bradley & Bourdas
Holiday & Co.
Oakey, J., & Sons, Ltd.

Postal Boxes
Globe Box Co.
Robinson & Sons Ltd.

Powder Paper
Papier Poudré Ltd.

Printers
Cartwright & Rattray, L
Ford, Shapland & Co.
Suttley & Silverlock, Ltd
Townsend, J., & Sons
Waide, T., & Sons
Wilkinson, James F.

Puffs
Schutze, F., & Co., Ltd.
Solport Bros.

Pyrogallic Acid
Greeff, R. W., & Co.

Quinine and S
Alliance Drug & Chem.
Bandoeng Quinine Fact
Corbyn, Stacey & Co., L
Greeff, R. W., & Co.
Howards & Sons, Ltd
Reitmeyer Calburn & K dersley, Ltd

Radio-active Minerals
Harrington Bros., Ltd.

Radium Compounds
Glew, F. H.

Razors
Hovenden, R., & Sons, L
Kelland, W. P.
Maw, S., Son & Sons

Reagents
Hopkin & Williams, Ltd

Resins, Resinol
Allen, Stafford, & Sons,
Macfarlan, J. F., & Co.
Ransom, W., & Son, Ltd
Smith, T. & H., Ltd.

Respirators
Brown, J. M., & Co.
Solport Bros., Ltd.
Zimmer & Co.

Rubber Goo
Altrincham Rubber Co
Berton, Arthur, Ltd.
Burge Warren & Ridgl Ltd.
Haywood, J. H., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Tompkins, J., Ltd.
Warne, W., & Co., Ltd

tubber Stamps
ford, C. D.

Saccharin
barin Corporation, Ltd.

licylic Acid and Salicylates
h, W. J., & Co., Ltd.

anitary Towels
thall Bros. & Barclay, Ltd.

Santonine
lberg, I. L.

Saponin
d, C. W., Ltd.

ammony Resin
legie Bros.

Scientific Apparatus
ser Son & Co., Ltd.
escher, J.
nolds & Branson, Ltd.

Sea Salt
ean & Son, Ltd.

Seed Dressing
ker, Arthur E.
linson & Hayward, Ltd.

Seeds
er & Clarke, Ltd.

Serums and Antitoxins
n & Hanburys, Ltd.
oughs Wellcome & Co., Ltd.
ty, T., & Co.
ssons Lescher & Webb, Ld
, Davis & Co.
ox, Joseau & Co.

Shampoo Powders
dard Tablet & Pill Co. Ld.

Shares
dam & Tuckniss

Sheep Dips
Boulton & Haywood Ld.
ker, Arthur E.
ardised Disinfectants Ltd.
inson & Hayward, Ltd.

Shop Fittings
on-Graham, Ltd.
, George
ns Lescher & Webb, Ld.
t, D.
ins, S., & Bros., Ltd.
ns, Philip, & Sons, Ltd.
S., Son & Sons
H.
all & Sons
ock & Co.
rs

ioulder Straps
, Vincent

Soap Plant
aw, E., & Son, Ltd.

Soaps, Toilet, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ld.
Bronnley, H., & Co., Ltd.
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Cook, E., & Co., Ltd.
Erasmio Co., Ltd.
Encryl, Ltd.
Evans Sons Lescher & Webb, Ld
Ewen, James, & Sons
Faulding, F. H., & Co.
Field, J. C. & J., Ltd.
Hovenden, R., & Sons, Ltd.
Lesool Perfumery Co.
Pears, A. & F., Ltd.
Peat Products (Sphagnol) Ltd.
Price's Patent Candle Co., Ld.
Resinol Chemical Co.
Spratt's Patent, Ltd.
Vinolia Co., Ltd.
Wright, Layman & Umney, Ld

Sodium Bicarbonate
Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd.

Soothers
Schutze, F., & Co., Ltd.

Spectacles
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd.

Spermaceti
Farris, Charles
Price's Patent Candle Co., Ld.

Spices (Ground)
Allen, Stafford, & Sons. Ltd.
Goodall, Backhouse & Co.

Spirit of Wine
Burrough, J., Ltd.
Calder, James, & Co., Ltd.
Preston's Liverpool Distillery Co., Ltd.

Sponges
Internl. Sponge Importers, Ld

Sprays
Burge, Warren & Ridgley, Ltd.
Christy, Thos., & Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers | Toogood, Wm., Ltd.

Sprinkler Corks
Betts & Co., Ltd.

Spruce Beer
Hohson, Joseph, & Son

Starch
Mumford, G. S., & Sons

Stills
Bennett, Sons & Shears, Ltd.
Forshaw, E., & Son, Ltd.
Stokes, F. J., Machine Co.

Stoppers
Rowe, T. Wilfrid
Stipendum Stopper Co.

Suppositories
Peat Products (Sphagnol), Ltd.

Surgical Appliances & Dressings
Allen & Hanburys, Ltd.
Bailey, R., & Son
Baiss Bros. & Stevenson, Ltd
Berton, Arthur, Ltd.
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Bush, Henry W., & Co., Ltd.
Carnegie Bros.
Christy, Thos., & Co.
Cuxson, Gerrard & Co., Ltd.
Dalmas, A. de St., & Co.
Galen Manfg. Co., Ltd.
Gimber, W., & Son
Haynes, G., & Co.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Mason Bros. & Chapman
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Robinson & Sons, Ltd.
Seabury & Johnson
Southall Bros. & Barclay, Ltd.
Thermogene Co., Ltd.
Van Horn & Sawtell
Vernon & Co., Ltd.
Vernon, Will. & Sons
Warne, W., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

Suspensories
Bailey, W. H., & Sons

Synthetic Prods.
Nael, M., & Co.
Stevenson & Howell, Ltd

Syphons
Barnett & Foster
Camwal, Ltd.
Idris & Co., Ltd.
Pure Aeration Supply, Ltd.
Williame, E., and Co.

Syringes
Bresillon, M., & Co.
Bush, H. W., & Co., Ltd.
Lang, Jules, & Co.

Syrups, Medicinal
Anglo-American Pharmaceutical Co., Ltd.
Fellows' Med. Mnfg. Co.

Table Waters
Burrow, W. & J.

Tablet Machinery
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Griffin, John J., & Sons, Ltd.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Tablets, Compressed
Allen & Hanburys, Ltd.
British Drug Houses, Ld., The
Burgoyne, Burbidges & Co.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Duncan, Flockhart & Co.
Evans Sons Lescher & Webb, Ld
Guest, Thos., & Co.
Howards & Sons, Ltd.
Jackson, Ernest, & Co.
Kirby, H. & T., & Co., Ltd.
Parke, Davis & Co.
Scheller, Emil, & Co.
Shirley Bros., Ltd.
Southall Bros & Barclay, Ltd.
Standard Tablet & Pill Co., Ld.
Thompson & Capper, Ltd.
Wand Manfg. Co.
Wigglesworth & Co.

"Tabloid" Products
Burroughs Wellcome & Co.

Talc, Powdered
Levermore, Aug., & Co.

Tea
Christy, Thos., & Co.

Tea Tablets
Ayrton, Saunders & Co., Ltd.

Teats
Ingram, J. G., & Son

Terpeneless Oils
Nael, M., & Co.
Polak & Schwarz
Zimmermann, C., & Co., Ltd.

Theobromine
Carnegie Bros.
Scheller, Emil, & Co.
Smith, T. & H., Ltd.
Societeit voor Chemische Industrie Katwijk

Tin Box Makers
Goodall, Backhouse & Co.
Liverpool Tin Canister Co., Ltd.
Shirley Bros., Ltd.

Tinctures in Bond
Allen, Stafford, & Sons, Ltd.
Macfarlan, J. F., & Co.
Ransom, W., & Son, Ltd.

Tinfoil
Venesta, Ltd.

Tobacco
Singleton & Cole, Ltd.

Toilet Preparations
Christy, T., & Co.
Cuxson, Gerrard & Co.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Hall Forster & Co., Ltd.
International Chem. Co., Ld.
Knox-Walker, J., & Co., Ltd.
Little, D. J., Co.
Papier Poudré, Ltd.
Quelch, H. C., & Co.
Rosmarine Mnfg. Co.
Stevenson & Howell, Ltd.
Thomas, H., & Co.
Tokalon, Ltd.
Vinolia Co., Ltd.

Toilet Paper
Ayrton, Saunders & Co., Ltd.
Burgoyne, Burbidges & Co.
Ford, Shapland & Co.
Townsend, J., & Sons

Trade-Marks Agents
Barker, R. W.
Ford, Shapland & Co.
Raworth, John E.

Trade Protection
Assoc. of Mnfg. Chemists, Ld.

Translations
Mascarenhas, Dr.

Trusses
Bailey, W. H. & Son
Bush, H. W., & Co., Ltd.
Davis, J. M., & Sons, Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Sangers
Schutze, F., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

Tubes, Glass
Melin, C., & Co.

Turned Wood Boxes
Estes, E. B., & Sons
Wright, Arch. J., Ltd.

Turpentine
Lambert, Saml., & Co.

Urine Test Stands
Bush, H. W. & Co.

Vacuum Flasks
Aerators, Ltd.
Quelch, H. C., & Co.

Valuers
Baker, P. C.
Berdoe & Fish
Brett & Co.
Orridge & Co.
Tomlinson, T., & Son

Vanilla Beans
Magnus, Mabee & Reynard Inc.

Vanillin
Bush, W. J., & Co., Ltd.
Greeff, R. W., & Co.
Verona Chemical Co.
Zimmermann, C., & Co., Ltd.

Vaseline
Chesebrough Manfg. Co.

Vermin-Killers
Bowley, S., & Son
Christy, T., & Co.
Cox, Arthur H., & Co., Ltd.
Cupal, Ltd.
Danysz Virus, Ltd.
Evans Sons Lescher & Webb, Ld
Farmer, F., & Co.
Harley, Thomas
Hawker, Arthur E.
Milner's Chemical Co.

Vet. Instruments
Mason Bros. & Chapman
Maw, S., Son & Sons

Vet. Remedies.
Catalne Co.
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Day & Sons (Crewe)
Edwards, W., & Son
Harvey & Co. (Dublin), Ltd.
Tomlinson & Hayward, Ltd.
Wyleys, Ltd.

Vinegar
Grimble & Co.

Vulcanite Goods
Kemp's Vulcanising Co., Ltd

Water Beds, &c.
Warne, Wm., & Co., Ltd.

Water Glass
Goodall, Backhouse & Co.
Tomlinson & Hayward, Ltd.

Water Stills
Brown & Sons
Stokes, F. J., Machine & Co.

Waters, Concentrated
Robinson, B., & Co., Ltd.

Waxes
Boehm F., Ltd.
Farris, Charles
Hayes & Finch, Ltd.
Price's Pat. Candle Co.
Wiener, R. O., & Co.

Weed Killers
Hawker, Arthur E.
Tomlinson & Hayward, Ltd.

White Oils
British Lianosoff White Oil Co. Ltd.
Farris, Charles
Snowdon, Sons & Co., Ltd.

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Ayrton-Graham, Ltd.
Southall Bros. & Barclay, Ltd.

Window Tickets
Merten, F., & Co.

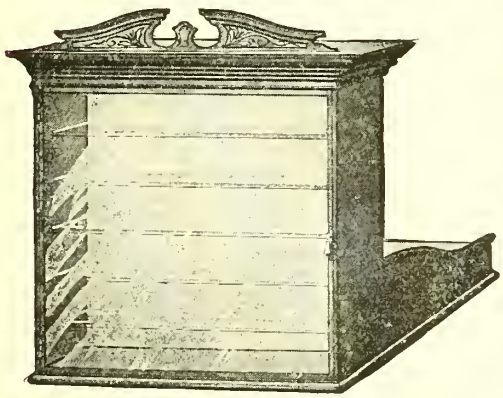
Wines, Medicated
Burrough, J., Ltd.
Burroughs Wellcome & Co.
Coleman & Co., Ltd.
Fletcher, Fletcher & Co., Ltd.
Hobson, Joseph, & Son
Idris & Co., Ltd.
Robinson, B., & Co., Ltd.

Wrapping Machinery
Forgrove Machinery Co., Ltd.

Wrist Straps
Solport Bros.

Zinc Oxide
Hubbuck, T., & Son Ltd.
Stevenson, H. E., & Co.

D. GRANT SHOP-FITTER & PATENTEE



COMBINATION DESK AND SHOWCASE

Solid Polished Mahogany, plate glass, mirror back, five adjustable shelves. 24 in. wide to 27 in., £3. 30 in. wide, £3 5s. 0d.

COUNTER CASES FOR SALE

Best quality, only 6 months in use at Glasgow Exhibition. Best British Plate Glass. Solid Polished Mahogany, plate mirror folding doors, spring catches. All repolished equal to new, 10s. 6d. per foot run, packed and put on rail.

Set of first-class Chemist's drawers with labels and knobs complete. Modern, 2s. 10d. per drawer. Also five cigarette cases, 15s. each.

ST. JAMES' PLACE, EDINBURGH.

For FOUNTAIN PENS and all Pens the Best.

Dichroic Ink

Makes Writing Easy

Proprietors:

Bewley & Draper, Ltd., Dublin.

TIDMAN'S SEA SALT.

ON P.A.T.A. LIST. INCREASED PROFITS TO ALL WHO KEEP IT IN STOCK.

Orders of Twenty Shillings value and upwards Carriage Paid—Cases Free, less 2½ % Discount for Cash.

	Advertised Price. Per Box.		Minimum Retail Price. Per Box.		Minimum Wholesale Price. Per Gross.
1d. Packets	1/-	12 in box	11d.		8/6
2d. ,,	2/-	,,	1/10		16/9
1d. linen Bags	1/-	,,	11d.		8/6
2d. ,, ,,	1/-	6 in box	11d.		16/9
Boxes, about 1½lb.	4d.		3½d.		2/10 pr. doz.
,, ,, 3½ ,,	8d.		7d.		5/8 ,,
,, ,, 7 ,,	1/2		1/-		10/- ,,
,, ,, 14 ,,	2/-		1/10		18/3 ,,

SINGLE BAGS of following 3 sizes sent CARRIAGE PAID to any place in the United Kingdom, so that there is no Stock to hold.

	Advertised Price.	Minimum Retail Price.	Minimum Wholesale Price.
28-lb. Bags (or Boxes)	3/- each	3/-	2/6 each
½-cwt. Bags	5/6 ,,	5/6	4/7 ,,
1-cwt. Bags	10/- ,,	10/-	8/4 ,,

The following are also sent, carriage paid, cases free, to any place in the United Kingdom, for net cash: 4—7 lbs. Boxes, **3/6** the lot; 6—7 lbs. Boxes and upwards at **10/-** per dozen (list price) Orders for assorted sizes to the value of **7/6** and upwards.

TIDMAN'S SEA SOAP, beautifully perfumed.

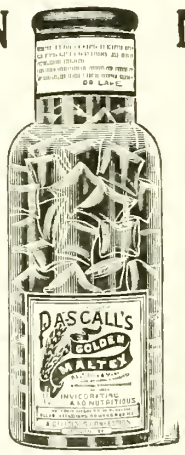
	Advertised Price.	Minimum Retail Price.	Minimum Wholesale Price.
Box of 3 large Tabs.	1/- each	10½d.	7/6 per doz. boxes
,, 6 small Tabs.	6d. ,,	5d.	3/9 ,, ,,
Bars about ½-lb.	5d. ,,	4d.	3/- per doz. bars
,, ,, 1-lb.	10d. ,,	8d.	6/- ,, ,,

Accounts Monthly Net due 10th of following month. Terms for Seidlitz Powders, Pinnacle Soap Stands, Toilet Soaps, &c., sent on application.

TIDMAN & SON, Ltd., Wapping, London, E.

PASCALL'S

GOLDEN MALTEX



Contains 25% Pure Malt Extract of especial food value for Children.

¶ Pascall's Golden Maltex is admirably suited for sale by Chemists, owing to its nutritive and restorative qualities.

¶ Order through your Wholesale Druggist, or direct from the manufacturers,

JAS. PASCALL, Ltd., LONDON, S.E.

GOOD! IT'S MASON'S

The Drink for the Masses

Millions of glasses used daily by workers all over the Empire

Please allow us to Sample and Quote—

Citrate Magnesia
Health Salt
Salines
Liver Salt
Blood Salt
Sulph. & Sarsap. Salt
Lemonade Crystals, &c.

NEWBALL & MASON
NOTTINGHAM

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

R.W. Greeff & Co.,

offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries.

(WHOLESALE QUANTITIES ONLY)

Bromide of Potassium
Bromide of Sodium
Cinchonine Sulphate and Muriate
Cinchonidine Sulphate
Citric Acid
Cocain Hydrochlor and Puriss
Coumarin Crystals
Cream of Tartar
Creosote Carbonate
Diamidophenol Hydrochlor
Formaldehyde
Gallic Acid
Glycerophosphates
Heliotropin
Hexamine
Homatropine Hydrobrom
Hydroquinone
Isarol (best Ichthyol substitute)
Lithia Carbonate
Lithol (Ichthyol sub.)
Mercurials
Methyl Sulphonal
Peppermint Oil
Pepsine
Phenazone
Pyrogallic Acid
Phenolphthalein
Potassium Sulpho-Guaiacolate
Quinine
Salicylate of Soda
Sugar of Milk
Tannic Acid
Tannin Albuminate
Theobromine Pure Alkaloid
Vanillin
Veronal

R.W. Greeff & Co.,
THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.

THE FRENCH NATURAL MINERAL — WATER. —

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT,

Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.

Prompt Sales
Quick Turnover
Increasing Demand
Protected Price

You stock "Wincarnis"—our advertising sells it for you. There is an enormous and ever-increasing demand for "Wincarnis," because it is a good article backed up by a powerful advertising campaign. Don't risk losing sales through being out of stock. Glance at your stock now.

IMPORTANT NOTE TO CHEMISTS WITHOUT LICENSES.—It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" *without* a license.

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.

WINCARNIS

TELEGRAMS: "ELEVEN CENT LONDON"

S. MAW, SON & SONS
7 to 12, ALDERSGATE ST.
LONDON, E.C.

Maw's Page

TELEPHONE: CITY 7 PRIVATE BRANCH EXCHANGE

NUMBER 204 SEPT. 11, 1915

THE 'PAREX' TRIO REGD

'PAREX' LIQUID DENTIFRICE.

This preparation is delightfully refreshing for teeth and gums. Put up in 3 oz. bottles, daintily labelled. Pure tin screw sprinklers. 8/6 doz., *with Bonus offer.*

'PAREX' TOOTH POWDER.

Carefully and scientifically prepared from a formula of *unquestionable* value. A dentifrice of surpassing excellence. Price 8/6 doz., *with Bonus offer.*

'PAREX' TOOTH PASTE.

Possesses efficient antiseptic and cleansing properties. Put up in oblong decorated glass pots. 7/8 doz., *with Bonus offer.*

BATH POWDER

'Parex' Bath Powder is an exceedingly refreshing and invigorating preparation. Instantly soluble in cold or hot water. Put up in 6 perfumes. 1/- size 7/9 doz.; 1/9 (double quantity), 13/6 doz., *with Bonus offer*

FRAGRANT TALCUM POWDER

Maw's 'Parex' White Rose Talcum Powder and 'Parex' Violet Talcum Powder form together one of the most attractive propositions we have ever put before Pharmacists.

The two lines, exquisitely perfumed, are put up in the distinctive and now famous 'Parex' style; handsome sprinkler-top tins charmingly printed in coloured floral designs. The excellence of the powder is of course guaranteed by our name and the name of 'Parex.'

Our price is 7/2 per doz. tins, *with Bonus offer.* The *protected* selling price is 10½*d.* per tin—allowing a profit of 4/- per doz.

We are distributing striking salecards with orders.

EXAMPLES OF 'PAREX' REGD QUALITY

'PAREX' BRILLIANTINE REGD

A crystallised brilliantine of the highest quality, put up in oblong decorated glass pots. No 'Parex' display is complete without this excellent preparation. Price 7/8 doz. *with Bonus offer.* Minimum retail price 10½*d.*

'PAREX' SHAMPOO POWDER REGD

Contains important tonic and cleansing properties, and does not make the hair dry or brittle. Put up in *triangular* packets of 7 in art cartons. Beautiful showcard free. Price 8/6 doz. cartons, *with Bonus offer.*

Time and the Tooth Brush

The tooth brush, like the weather, is an accepted institution with most of us. Yet, unlike the weather, there was a time when this toilet requisite was unknown.

. . . .

From a perusal of a copy of William Vaughan's "Fifteen Directions to Preserve Health," published 1602, it is evident that linen was used as a means of cleaning the teeth. In this interesting publication the author tells those who want to keep them "white and uncorrupt" that they must wash the mouth after every meal, "sleepe with the mouth somewhat open . . . . and in the morning take a linnen cloth and rub the teeth well within and without."

. . . .

So late as 1754 the tooth brush was unknown to Lord Chesterfield. Writing to his son, Chesterfield says: "I hope you take great care of your mouth and teeth, and that you clean them well every morning with a sponge and tepid water, with a few drops of arquebusade water dropped into it."

. . . .

Evidence of the present day universal use of the tooth brush is to be found in our North London Brush Factory, where an enormous and continual supply of our better grade tooth brushes is produced. Here the actual manufacture, from the cutting of the bone to the finished article—nearly 70 stages—is carried out.

. . . .

Attention to every detail by experienced workers, the employment of the latest machinery and appliances, and careful selection of the raw materials — these are factors which ensure *quality* in every tooth brush bearing the name of "Maw."

Capsule

USUAL DISCOUNT OFF ABOVE PRICES.

POLAK & SCHWARZ'S PERFUMES & ESSENTIAL OILS

OF HIGHEST QUALITY AND GUARANTEED PURE, ARE

LIKELY TO MEET AND EVEN SURPASS

ANYONE'S WISHES.

KNOWN **PERFUMERS** and **SOAPMAKERS**
USE THEM

&

SHOW THEIR SATISFACTION.

CUSTOMERS ALL OVER THE WORLD

HAVE A SMELL AT OUR

WORLD - FAMOUS SYNTHETICS,

AND WE ARE SURE TO

RECEIVE YOUR ORDERS

IN

ZAANDAM.

DUTCH
MANUFACTURERS
OF
SYNTHETIC & NATURAL FLOWER OILS

viz.:
AMBRE, CARNATION, CASSIE, FOUGÈRE, HELIOTROPE, HYACINTH, JASMIN, LILAC, LILY OF THE VALLEY, MIMOSA, MUSK, NARCISSUS, NEROLI, ROSE RED, VIOLET, &c. &c.

DIRECT SHIPMENTS TO ALL PARTS of the WORLD.

N. V. Polak & Schwarz's
Essencefabrieken
ESTABLISHED 1889.
ZAANDAM—HOLLAND

Shipkoff's Pure Otto of Rose.

The *test* of cheapness is *quality*—not *price*. Shipkoff's Otto of Rose is cheapest because it is the best Otto in the market. It is the *standard* brand—always *pure*, *uniform*, and *one* quality only. Before placing your contract be sure to get Shipkoff's sample or price and try it.

ONCE TRIED, ALWAYS USED.

HIGHEST AWARDS AT ALL UNIVERSAL EXPOSITIONS—INCLUDING FOUR GRAND PRIZES.

SHIPKOFF & CO.
KAZANLIK, BULGARIA. (2)

Model Steam Factories at Kazanlik, Kalofer, Karlovo, Rahmanlari.

London Agents:
G. P. & J. BAKER, Ltd., 5 Giltspur St., Newgate St., E.C.

OKELL'S ORIGINAL MONA BOUQUET.

(First introduced by the late JOSEPH O'KELL).

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling perfume in the market.
Retail Prices ... 1/-, 1/9, 3/6, 6/-, 7/6, 10/6, per Bottle.

ALSO 3d. SAMPLE BOTTLES.

Shippers and Wholesale Buyers supplied on the best terms by
THOMAS WEST & SON, 1187 Chester Road, Stretford. MANCHESTER.

BEETHAM'S "LAROLA"

(Registered)

Is the Skin Tonic for 1915.

It is effective.
It is attractive.
It is price-protected.
It is well-advertised.
It sells readily.
It bears a good profit.

HAVE YOU OUR SHOWCARD?

THIS IS WHAT THE "C. & D." SAYS OF IT:

BEETHAM'S NEW SHOWCARD.—One of the prettiest lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word "Larola" being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks, and she and the setting make so bright a picture that no pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the originators of Glycerine-and-Cucumber and Larola.

This handsome Showcard, in 14 colours (size 24 by 17) can be had by any chemist who will give it a good place in his pharmacy.

M. BEETHAM & SON, Cheltenham.

A. Boake Roberts & Co., Ltd.. STRATFORD, LONDON, E.

. . FOR . .

SOLUBLE ESSENCES, ESSENTIAL OILS, OIL LEMON.

If you wish to make first-class Aerated Waters, use
BOAKE ROBERTS' ESSENCES.

Finest Soluble Essences:

Lemon,
Orange,
Ginger,
Ginger Ale,
Stone Ginger Beer (*Cloudy*),
Clear Ginger Beer,
Kola Champagne,
Lime Juice and Soda,
Lemon Squash,
Raspberry,
Strawberry,
Pineapple,
Vanilla, &c. &c.

GOLDEN CARAMEL COLOURINGS, &c. and all sundries.

A. Boake Roberts & Co., Ltd..

DODGE & OLCOTT CO.,

20 MARK LANE,
LONDON, E.C.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu.
TONKA BEANS Angosturas.

'Phone: CITY 2468.

Telegrams: "EGDARF, FEN, LONDON."

TWO GOOD SELLERS THAT PAY WELL

The Ideal Fruity Laxative in Pastille Form.
1/1½ per box (P.A.T.A. minimum 1/-)

ANALAX
DELICIOUS
RELIABLE
EFFECTIVE

FROZOCLONE
The World's Great Perfumer and Refresher—in Solid Form.
Retails 2/- (P.A.T.A. minimum 1/9)

R. DEMUTH'S LABORATORIES, 68 Salusbury Road, LONDON, N.W.

"LESCOL" FLORAL PERFUMES

In 50 Different Odours. For Home & Export, to suit all Markets.

LINES FROM 1d. TO A GUINEA.

YOUR ATTENTION IS DRAWN TO OUR

EAU DE COLOGNE

In All Sizes.
Own Manufacture

Also LAVENDER WATERS, SMELLING SALTS, BRILLIANTINES, and all Toilet Preparations.

Write for our NEW PRICE LIST (Illustrated in Colours), showing our very attractive New Lines, to the

LESCOL PERFUMERY CO.,

Lomond Grove, Camberwell Green,
LONDON, S.E.

Telephone: 810 HOP.

Telegrams: "VANILLIN, CAMBER, LONDON."

834 of our employees are serving with His Majesty's Forces. Most of them are now in the fighting line.

We have thousands of orders awaiting delivery. The Railway Companies cannot handle traffic quick enough.

We shall be very glad indeed if you will kindly oblige us by placing your orders with our representatives as soon as possible for forward delivery. It is impossible to get goods delivered straight away.

The sooner we obtain the orders, the sooner you will get supplies.

Erasmic, Perfumers, Warrington.

A powerful antiseptic and deodorant.

"PETAL DUST" REGD.

The greatest of all floral air-purifiers.

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "Petal Dust" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

Retails in 3d. and 6d. packets

Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

SOLE PROPRIETORS—

THE ROSMARINE MANUFACTURING COMPANY,

STAMFORD STREET, LONDON, S.E.

CITY DEPOT: H. C. QUELCH & CO., LUDGATE SQUARE, LONDON, E.C.

ROSE VANISHING CREAM

PINK OR WHITE.

NOW is the opportune time to make a display of Rose Vanishing Cream.

Pots, 6/- per dozen.
Collapsible Tubes, 7/- per dozen.

ATTRACTIVE SHOWCARD AS ABOVE GIVEN WITH ORDERS FOR 1 DOZEN.

CUXSON, GERRARD & CO., LTD., BIRMINGHAM.

OVER 100% PROFIT!
ENSURED & PROTECTED (P.A.T.A.)
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	per doz. less 5% discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

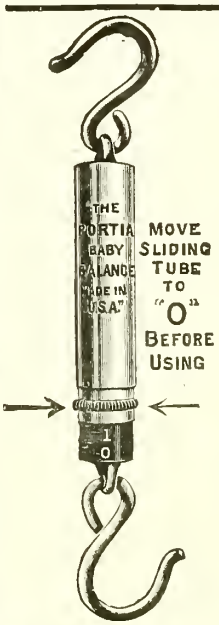
SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).
Do. 6 doz. do. 8 bottles gratis.
Do. 12 doz. do. 18 bottles gratis.
Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN, LTD.
DEVON WHARF,
Emmott Street, Mile End, London, E.

A Profitable Seller



THE
"PORTIA"
(Regd.)
NET WEIGHT
Baby Balance
Weighs up to 15 lb.

Price	Retail
11/6 dozen.	1/6 each.

Hang a balance in your window with our dainty cut-out showcard in colours on the lower hook, showing a baby actually being weighed, and you will soon be re-ordering.

SOLPORT BROS.,
184 to 190 Goswell Rd., London, E.C.
Obtainable through all Wholesale Houses.

GEORGE LUEDERS & CO.

NEW YORK, 218, 220 & 211 Pearl Street.
CHICAGO, 301 W. Randolph Street.
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MONTREAL, 396 St. Paul Street.
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Letters address : P.O.B. 1498 NEW YORK. Cable address : "GUALACUM."

Import and Export :

Essential Oils, Olive Oil, Vanilla Beans,
Natural and Synthetic Perfumers' Materials.

MITCHAM PEPPERMINT OIL

Guaranteed the finest quality obtainable.

Quotations on application to—

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Cable Address: "CELAITCH, NEW YORK."

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5 PLATT STREET, NEW YORK CITY,

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The Chemist and Druggist Diary, 1916

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Advertising Rates and all particulars from

The Publisher, The Chemist and Druggist,

42 CANNON STREET, LONDON, E.C.

VANISHING CREAM

NON-GREASY, PINK OR WHITE

During the past few years has entirely superseded greasy and fatty Toilet Creams. Owing to the exceptional demand we have had for this preparation, we have laid down a special plant and can supply in bulk on the best terms, and incorporate any perfume required.

Packed in Tubes or Opal Pots.

Tin Tubes ... ... 3/- per doz., 33/- gross; large size, 60/- gross.
Opal Pots, 1 oz. ... 3/6 ,, 39/- ,, ,, 78/- ,,

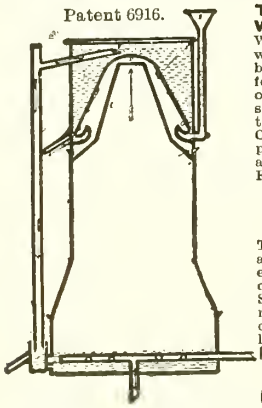
Also in 7 lb., 14 lb., 28 lb., and 1 cwt. drums.

Send for Sample and ask for Full Price List of our Preparations. It will pay you to do so.

J. KNOX-WALKER & CO., Ltd., *Manufacturing Chemists,* **422 KINGSLAND RD., LONDON, N.E.**

SAMUEL VAUGHAN, Managing Director.

Patent 6916.



TO MANUFACTURING AND WHOLESALE DRUGGISTS, &c.

We beg to call attention to the fact that our well-known Patent Stills are made for heating by steam pressure. Where this is available it forms a very cheap and efficient method of obtaining distilled water. Any pressure will suit from 10 to 200 lb., made in various sizes to produce from 1½ to 15 gallons PER HOUR Cost of distilled water made this way is practically nil. As with our Gas Stills, these are perfectly automatic. Prices as below:—

For producing up to

1½ gallons per hour,	£3	10	0
,, 5 ,, ,,	£10	0	0
,, 9 ,, ,,	£12	10	0
,, 15 ,, ,,	£16	10	0

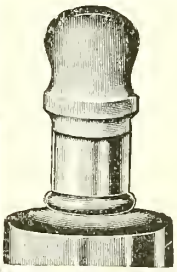
The few most important places we give below afford evidence of the quality, efficiency and economy of the Steam Stills:—National Physical Laboratory, 2 in use; Imperial College of Science, 8 in use; University of Wales; Pharmaceutical Society; Guy's Hospital, Bacteriological Department; and many of the leading Breweries and Drug Houses, etc. etc.

Pamphlets & particulars forwarded on application

Estimates submitted free if required for supplying and fitting complete.

BROWN & SON, Muriel St., King's Cross, London, N

The Best Capping in the Whole World.



SEMREH

Self-Fixing and Air-Tight

BOTTLE CAPS

Far Superior to Pleated Paper or Leather Cappings

PROMPT DISPATCH.

Apply now for Booklet and full particulars:—

The Viscose Development Co., Ltd.

BROMLEY, KENT.

Toogood's Packed Toilet Preparations in Collapsible Tubes.

2629

2667

2508

2509

2542

2452

No. 2629.	Toilet Lanoline	...	3 sizes	...	2/9, 3/9 and 5/6 per doz.
,, 2667.	Boracic Ointment	...	2 ,,	...	3/- and 4/6 ,,
,, 2508.	Cold Cream	...		...	3/6 ,,
,, 2509.	Vanishing Cream	...		...	3/6 ,,
,, 2542.	Shaving Cream	...		...	4/6 ,,
,, 2452.	Solid Brilliantine	...		...	6/- ,,

Customer's name free on 3 dozen of any one kind, and showcard supplied.

WILLIAM TOOGOOD, Ltd., 77 Southwark St., London, S.E.

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF 1915 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

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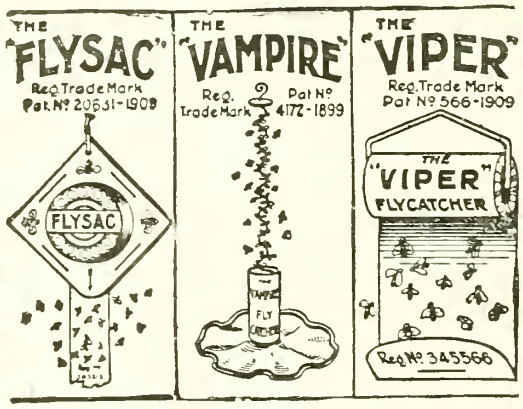

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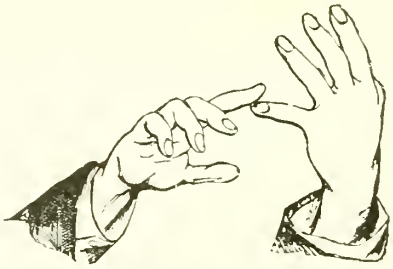

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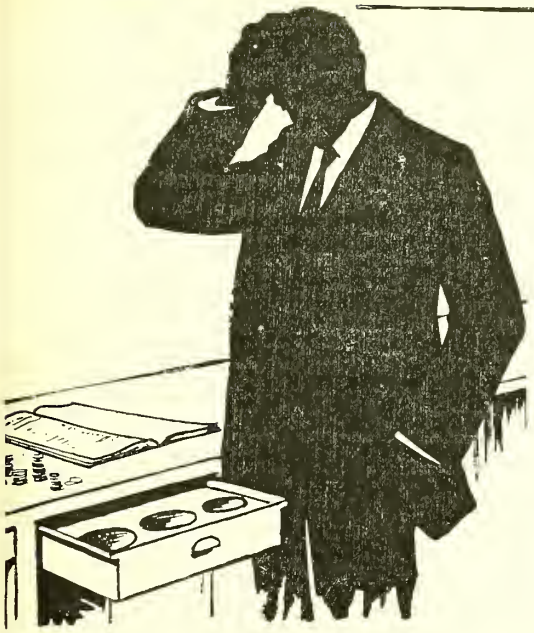

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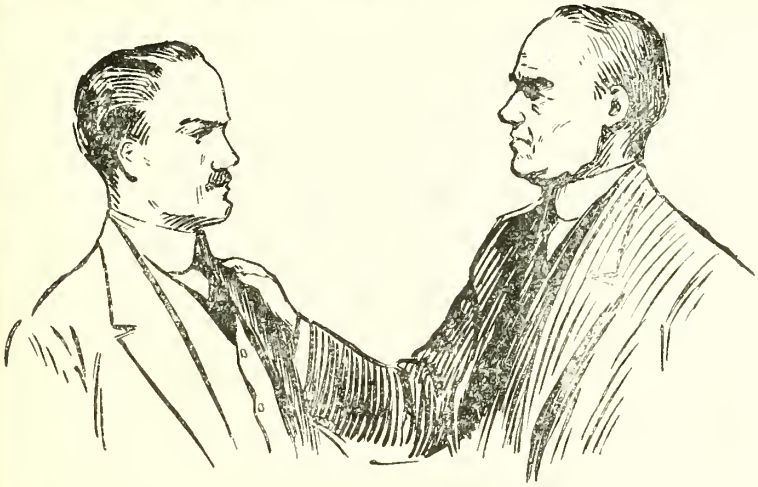

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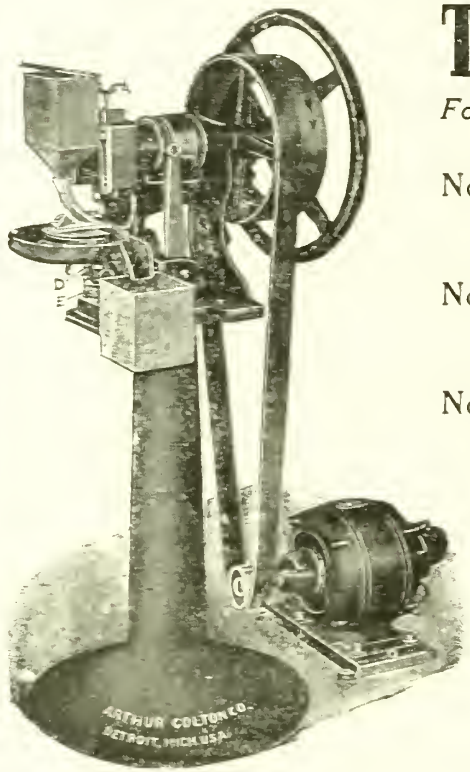

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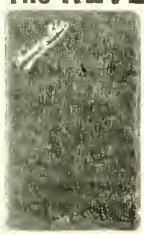

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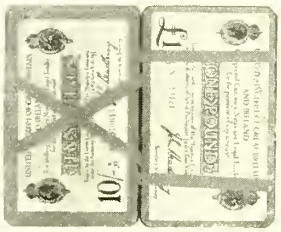

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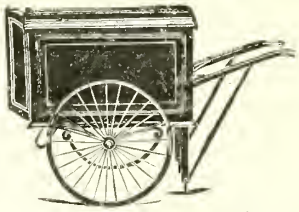

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Summary.

The Board of Trade's Exhibition of Alien Enemies' Goods is being transferred from London to Leicester (p. 38).

The origin and history of the Liverpool Chemists' Price-list are the subject of an article on p. 52, arising from the publication of a new edition.

Besides interesting reports about German war matters on pp. 38-39, we give particulars on p. 58 of German chemical industry and of the punishment of an English pharmacist in Berlin.

A Fairchild Scholarship has been instituted in the United States by Mr. S. W. Fairchild, and preliminary particulars regarding it were given at the annual meeting of the American Pharmaceutical Association reported on p. 55.

British export and import trade was much better last month. We note that exports of oils and fats to the Netherlands have enormously increased, and, in view of Germany getting none, we ask what becomes of the Dutch imports (p. 50).

Emergency settlement of chemists' accounts for Insurance Act dispensing in 1914 are now being paid in England. Chemists will come out much better than seemed likely at one time. The matter is discussed in an article beginning on p. 51.

The British Association is holding its eighty-fifty meeting in Manchester this week. The President (Professor Arthur Schuster) gave an address on the Common Aims of Science and Humanity, the salient points of which are given on pp. 53-54.

The latest about the proposed German nitrate monopoly is printed on p. 38. The reason given for the German move is that England and France are forming a company with capital of two millions to take over and work the Chilian industry. [The capital of English companies alone is about eight millions!]

European War.

A Year Ago To-day.

(*War News in "C. & D.," September 12, 1914.*)

The allied Powers—Britain, France, Russia, and Japan—agreed not to make separate peace with their enemies. We suggested the formation of a Pharmaceutical Roll of Honour, and invited the names of men connected with the drug-trade in Great Britain and Ireland who had joined the British Army to be sent to us. The Government issued a statement regarding the work of the Pharmaceutical Committee and the advances in drug-prices. An amended Trading with the Enemy Proclamation was signed by His Majesty in Council on September 9, and on the day following the exportation of certain chemicals and medicinal substances was prohibited by Proclamation. Particulars were also given of the Moratorium Proclamation, and our war section of ten columns included fully two columns of news of German pharmacy, and was supplemented by particulars in regard to the manufacture of phenacetin.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

FIFTY-FIRST LIST.

BAILEY, Private W. L., F.C.S., chemist and druggist (formerly assistant dispenser at Firvale Hospital, Sheffield), Inns of Court O.T.C. (transferred from Public Schools Battalion Middlesex Regiment).

BRAY, Sergeant WILFRID (formerly with Mr. F. G. de Faye, chemist, St. Helier, Jersey), R.A.M.C.

CARTER, Private F. J. (formerly apprentice with Mr. G. A. Clarke, chemist, 65 Whitegate Drive, Blackpool), R.A.M.C.

GALLOWAY, Corporal THOMAS N. (formerly with Mr. J. G. Selater, chemist, Easter Road, Edinburgh), Royal Engineers (transferred from the 16th Battalion Royal Scots).

PRATT, Second-Lieutenant F. H. (son of Mr. A. J. Pratt, chemist, Reigate), Royal Warwickshire Regiment.

WHITFIELD, Corporal R. (lately assistant with Mr. T. Bellamy, Ph.C., The Broadway, Cricklewood, London, N.W.), Royal Engineers.

The following gentlemen connected with Australian and New Zealand pharmacy are serving with the Forces of the Commonwealth or the Dominion:

ALLEN, HARRY (lately with Mr. W. Kinder, Oamaru), N.Z. Ambulance Corps.

ALLPORT, Private R. BRETT (son of Mr. Roland Allport, wholesale druggist, Sydney), 6th Reinforcements, 3rd Battalion N.S.W. Infantry.

BARRON, JOHN (lately with Parke, Davis & Co., Sydney), A.A.M.C.

BOWLER, CHARLES LESLIE (lately with Parke, Davis & Co., Sydney), A.A.M.C.

CAMERON, J. M., Dunedin, N.Z. Hospital Ship.

COOPER, F. C., chemist's assistant, Auckland, N.Z., Ambulance Section, 5th Reinforcements, N.Z. Expeditionary Force.

FERRICK, C. (lately with Mr. J. Fitzgerald, Napier, N.Z.).

FLOOD, EDWARD S. (lately with Mr. J. Fitzgerald, Napier, N.Z.), A.A.M.C.

HAMPDEN, ALEX., Dunedin.

JONES, Private WILLIAM CHARLES (son of Mr. Chas. Jones, chemist, late of South Grafton and Manley), 5th Field Ambulance, A.A.M.C.

KELLY, — (lately with Mr. Eccles, chemist, Auckland), N.Z. Medical Corps.

KERR, CYRIL G. (lately with A. M. Bickford & Sons, Ltd., Adelaide).

LE VICK, Private PERCY, chemist and druggist, Rose Bay, N.S.W., 1st Australian General Hospital, A.A.M.C.

MORGAN, D. (lately with Mr. F. C. Allen, Ipswich, Queensland), A.A.M.C.

MORLEY, ERNEST (lately with Parke, Davis & Co., Sydney), A.A.M.C.

MURRAY, W., Dunedin, N.Z. Hospital Ship.

PEACOCK, N. ST. P., Dunedin.

PHILLIPS, Warrant Officer F. H., formerly of Ipswich, Queensland.

RAWLINSON, —, pharmaceutical student, Base Hospital, A.A.M.C.

RHODES, C. V. (lately with Mr. Woollams, chemist, Auckland, N.Z.), Ambulance Section, Fifth Reinforcements, N.Z. Expeditionary Force.

THOMPSON, Sergeant HAROLD (lately with Parke, Davis & Co., Sydney), Australian Infantry.

WALKER, HALES (son of Mr. W. Walker, chemist, Milton), dispenser, N.Z. Hospital Ship.

WALKER, J. H., Dunedin, dispenser, N.Z. Hospital Ship.

Exportation of Chemicals, etc.

Denmark.—The Board of Trade are in receipt, through the Foreign Office, of telegraphic information from H.M. Minister at Copenhagen to the effect that the exportation of the following articles from Denmark has been prohibited: Organic acids, and their combinations; balsams, gums, and resins; barium, bromine, calcium, magnesium, potassium, sodium, and strontium, together with their combinations; barks, leaves, roots, and seeds for medicinal use; combinations of aluminium, of lead, of nickel, and of sulphur; medical specialities (*e.g.*, atophan); ground mustard; volatile oils; Röntgen apparatus and appurtenances.

Dependants' Medical Treatment Scheme.

Pharmacists are asked to send in their dependants' prescriptions before the 10th of the month following that in which they were dispensed; but if the number is under twenty they could be held over until the following month. If the practice of sending in the forms immediately after the end of a month became general the payments could be made a little earlier. It is thought that many pharmacists throughout the country may have a collection of these prescriptions on hand kept back with the intention of sending them up for payment later, and it would facilitate the work of the pricing staff if they could be sent up at once. It should be remembered that no acknowledgments are made in the ordinary way, as to write formal receipts would increase the work enormously. The attention of those who are sending up these prescriptions for the first time is drawn to the fact that payment for the work so generously undertaken by pharmacists in connection with this scheme is based upon cost price of the medicaments supplied, therefore the forms should be sent up unpriced. All parcels should be addressed to the Secretary, Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., and marked "Dependants' Prescriptions."

The Pharmacists' Volunteer Training Corps.

The quadrangle of the Wesleyan Training College, 130 Arneway Street, Medway Street, Horseferry Road, S.W., resounded with the tramp of many feet on Sunday morning, September 5. The occasion was the weekly drill of the London Pharmacists' Volunteer Training Corps, which now consists of four sections, comprising between eighty and ninety members. When the *C. & D.* representative arrived on the scene section drill was in progress, two sections being exercised in the larger quadrangle and a third in the smaller courtyard, while the members of the fourth section were engaged in filling in and signing the forms of the Central Organisation of Volunteer Corps, to which it is anticipated the Corps will be affiliated. The pharmacist Volunteers put in a strenuous three hours' work. The first hour was devoted to section drill, under the section commanders, the members being instructed in foot drill and various evolutions intended to inculcate a ready response to the word of command. During the second hour the company engaged in drill in open order under Adjutant March, while the non-commissioned officers received special instruction in their particular duties from Commandant E. A. Atkins. The third hour was spent in company drill under Commandant Atkins, the company marching round and across the quadrangle in column and other formations. Considering the fact that this was the first occasion on which the company had engaged in company drill, the members performed the various evolutions with credit to themselves and their section commanders, and before being dismissed were congratulated by Commandant Atkins, who said he had "great hopes of them." In conversation with Commandant Atkins, our representative learned that the main object of the Corps is to provide training in the work of the R.A.M.C., and particularly in sanitary work, so that members who desire to do so may have an opportunity of taking the necessary certificates and thus qualifying for commissions in the R.A.M.C. (Sanitary Section). Arrangements are being made for lectures and drills to take place on weekdays, as well as Sundays, at the convenience of the members, and inspections will be held by duly qualified officers at intervals. It is hoped that, after some months' training, a camp will be held, and that the members of the Corps will be given an opportunity to show what they can do as regards Army work. Commandant Atkins hopes that on completion of the necessary training the Corps will be able to present to the military authorities a strong case in favour of granting commissions in the R.A.M.C. to pharmacists who have taken the trouble to qualify in the special duties of this branch of the Army Medical Service.

Board of Trade Exhibition.

For several weeks past the Board of Trade has held an exhibition of several thousand samples of German and Austrian goods which previous to the war were in large demand in the Colonies and the self-governing Dominions. These samples, which are of a varied character, have been sent by H.M. Trade Commissioners, and full particulars as to wholesale and retail cost is given. The samples were on view at the Commercial Intelligence Branch (foreign samples section), 32 Cheapside, London, E.C., but the Exhibition is now going on tour, and will visit Leicester, Nottingham, Leeds, Glasgow, Liverpool, Birmingham, Sheffield, etc. While in London considerable interest was shown in the Exhibition, which includes many samples of cheap perfumes and fancy soaps, nursery and toilet preparations and specialities, glassware, aluminium ware, surgical instruments, table-waters, dyes, etc. There is a very miscellaneous collection of perfumes, pomades, and hair-oils from Lagos, the Gold Coast, Mombasa, Gambia, and other African Possessions, this trade being largely covered by Gustav Boehm, Epstein, of Hamburg, and Wolff & Sohn, the goods being packed in bottles of fantastic shape with cheap, gaudy labels, which is what the native likes—*e.g.*, we noticed a big sample of "hair-oil" which sold at 1*s.* per dozen bottles. Among the collection of soaps from the Straits Settlements were some barefaced imitations of the Army and Navy soap-balls manufactured by John Gosnell & Sons; these bore the name of Gottlieb Taussig, of Vienna, and were packed in boxes of three similarly to Gosnell's, the wrappers and labels being exact copies. Eau de Cologne of fair quality, packed in bottles by Dralle, of Hamburg, were offered at 3*s.* 4*d.* and 6*s.* per dozen, f.o.b. Hamburg, in 6-oz. and 8-oz. bottles. From British Guiana we noticed a cheap line of cosmetique in black-and-white tin cases, the price of which was 1*s.* 5*d.* per dozen, f.o.b. Hamburg. Trinidad sent a series of penny perfumes in bottles, and "lavender-water" (red) at 1*s.* 2*d.* per dozen. There is a large collection of dyes from China and the Straits Settlements, manufactured by the Badische Co., Bayer, and Cassella, packed specially for the Chinese markets. Under the style of "Health-restorer" and "Kikriki" there was the collection of medicines for natives, manufactured in Germany for sale in West Africa. Some of these were offered at 11*s.* per case of a dozen 6-oz. to 8-oz. bottles, f.o.b. Hamburg, and bore elaborate labels in English setting forth the many virtues of the medicine. Among the table-waters from Lagos was "Sauerbrunnen" and pint bottles of "lemonade" at 4*s.* 2*d.* per case of a dozen bottles. Kola wine ("Elefant" brand) at 6*s.* 5*d.* per case of a dozen was another item. The Board of Trade have made a collection of several thousand catalogues, mainly of German and Austrian firms, the chemical and drug firms being well represented. In certain cases the catalogues will be lent to United Kingdom firms for more detailed inspection upon application. We understand that a large number of British manufacturers have taken a keen interest in the catalogues and the Exhibition, and already arrangements are being made where possible to produce similar goods in this country.

Proposed German National Nitrate Monopoly.

It seems that a great deal more lies behind the proposed German nitrate monopoly than had originally been thought. The semi-official "North German General Gazette" reveals what is really in contemplation in regard to the proposal to confer upon the Federal Council authority to introduce a nitrate monopoly, in case of requirement, at any time. It is claimed that the production of nitrates particularly from sulphate of ammonia and cyanamide has been considerably increased during the war, and that the prices of nitrates have been lower than the lowest prices of the past decade. It is now feared (and this constitutes the revelation) that on the conclusion of peace the newly developed German industry may be confronted with such foreign competition that only a German national monopoly would be able to withstand the onslaught of world-united competitors. The "Gazette" elaborates this point, apparently on the basis of statements made by the Secretary of the Imperial Treasury before the Nitrate Bill Commission. It is stated that the producers and exporters of Chilian nitrate propose to form a trust company in London with a share capital of 2,000,000*l.*, and that the export-duty on the Chilian product would be reduced by 50 per cent., and the production raised gradually from 2,500,000 tons per annum to 5,000,000 tons, a guarantee to be given to the State of Chili against any loss by the English and French Governments. In addition, the North-Western Cyanamide Co., which is declared to be in close relations with the English munitions-industry, controls 1,000,000 horse-power in Scandinavia, which plant is capable of annually producing a tonnage of nitrates equal to that of Chile before the war. It is said that negotiations were proceeding before the war between this company and its subsidiaries, the English interests in the Chilean industry, and American groups, which have secured control of comprehensive water-powers in America and Canada for the extension of the production of nitrates, with the object of the constitution of a world-wide trust.

It is therefore considered (concludes the "Gazette") that the most effective counter-measure to proposals of the kind set forth lies in the grant to the Federal Council of authority to create at any time a monopoly in nitrogenous compounds, which would place the Council in possession of a ready weapon that would deter even the strongest trust from venturing upon a violent commercial invasion.

The Nitrogen Committee of the German Diet accepted on August 20 a proposal according to which it declares itself willing to vote for a law that authorises the Government to found a commercial nitrogen-monopoly in case it is found to be desirable.

Escape from the Germans.

Mr. Joseph Kane, a representative of Thomas Christy & Co., Old Swan Lane, London, E.C., who made his first acquaintance with pharmacy as an employé of Cummings Bros., chemists, 49 Reform Street, Dundee, is the subject of a long article in the "Dundee Advertiser," arising from the fact that he was recently condemned to death by a German colonel. Mr. Kane has had an adventurous career, including service in the Boer War, where his knowledge of the Dutch language made him particularly serviceable to the South African Government as a scout and despatch-rider. Afterwards he served during the Zulu rebellion. He returned to Scotland about five or six years ago, and when the present war broke out at once offered his services to the Government. While on service in Belgium he was surrounded and captured in a wood by the Germans. Mr. Kempenaar, a Dutchman, witnessed the incident and his description of it is given by the "Advertiser," including the following conversation which took place between the German colonel and the prisoner:

"You are a Scotsman?"

"Am I?" said the prisoner.

"Answer my question," said the Colonel.

"I am not aware that you asked me any question. You made a statement," replied the prisoner.

"This photo has a Scottish address. Your daughter, is it not?"

"I am not aware that your position as a German officer gives you the right to ask impertinent questions."

"But it says so on the photo?"

"Then why ask about it?"

"Where did you get this?" pointing to the religious emblem with the letter and crown and small pearls studded thereon.

"I am afraid your thirst for knowledge is too deep for me to satisfy, for which I am sorry." This with a polite bow.

"Well," said the Colonel, turning to the corporal in charge of the escort, "give me the papers; I will sign them." After signing the death warrant, the Colonel placed the prisoner's belongings in his saddle-bag. The prisoner called him back. "You have done me the favour of signing the paper necessary for my death; do me now another favour. Allow me to retain possession of the photograph, rose, and my religious tokens until the end."

"You will be allowed nothing," answered the Colonel.

At this point Mr. Kane made a mighty spring to the colonel's horse, leapt on it, and rode down the village street lying flat on the horse so that he escaped the volley of bullets that was sent after him. He was pursued, but all that the Germans found was the colonel's horse dead with four bullet wounds, the saddle bags empty, and the colonel's revolver gone. Kane reached his own lines in safety.

Personalia.

MR. PETER IRVINE, Ph.C., who joined the R.A.M.C. as a private, is now a sergeant, and is stationed at an A.D.S. somewhere in France.

PRIVATE JAMES NELSON, The Border Regiment, formerly employed with Pomfret Bros., wholesale druggists, Blackburn, has been wounded at the Dardanelles, and is now in hospital at Malta.

PRIVATE A. V. HOUSTON, 15th Battalion Royal Scots, formerly "town traveller" for Harkness, Beaumont & Co., Edinburgh, has been transferred to the Royal Engineers, with the rank of corporal.

PRIVATE HUBERT SELLENS, 16th Battalion Australian Infantry, younger son of Mr. C. T. Sellens, pill-manufacturer, Lydd (Kent), was wounded in the recent fighting on the Gallipoli Peninsula.

INTIMATION has been received in Edinburgh that Lieutenant C. H. Jardine, 14th Battalion Royal Scots (attached 1/5th Battalion, T.F.), son of Mr. T. Jardine, town representative of T. & H. Smith, Ltd., is being invalided home from the Dardanelles.

PRIVATE FREDERICK THOMAS SHELDRICK, 5th Battalion Norfolk Regiment (T.F.), is reported wounded in the shoulder, in a heavy casualty-list received from the Dardanelles. Prior to enlistment Private Sheldrick was assistant to Mr. Wallace Crisp, chemist and druggist, Swaffham.

DR. G. BORRI, the Italian representative of Oppenheimer, Son & Co., Ltd., who is associated with their agents and wholesale depôt in Milan, has become a lieutenant of the Italian Red Cross Society on the military staff, and has been appointed to one of the Red Cross base hospitals at Modena.

LIEUTENANT C. G. M. HATFIELD, only son of Mr. G. W. Hatfield, chemist and druggist, 817 Commercial Road, London, E., member of the London Pharmaceutical Committee, has been gazetted captain, 18th (Service) Battalion Middlesex Regiment (Duke of Cambridge's Own), to date August 2.

MRS. WILFRED BRUNNER, Holly Mount, Huyton, Lancashire, will be grateful if anyone can give her NEWS of her husband, MAJOR F. W. BRUNNER, Royal Engineers, reported missing, and known to have been last seen with the East Yorkshire Regiment on August 9 in action in the Dardanelles.

The above advertisement from "The Times" refers to a son of Mr. H. Brunner, brother of Sir John T. Brunner, Bart., and an original member of the Society of Chemical Industry.

LIEUTENANT J. E. HENDERSON, Royal Artillery, who has been appointed aide-de-camp to the Personal Staff, was President of the Edinburgh Students' Representative Council in 1910-11 and President of the Edinburgh University Union in 1911-12. When the British Pharmaceutical Conference held its meeting in Edinburgh in 1912, Lieutenant Henderson, as President of the Union, acknowledged in a graceful way the vote of thanks passed to the Union for their hospitality in giving the use of the premises to the Conference.

CORPORAL G. LALOR, 15th Field Ambulance, R.A.M.C., who was prior to the outbreak of war employed with Mr. A. H. Oliphant, Ph.C., Dublin, writing to us from "somewhere in France," says: "There is hardly any dispensing to be done; my work consists chiefly in seeing the sick, doing dressings, looking after surgical instruments and appliances, assisting at operations, etc. There is more than enough to do. Another of your subscribers, Mr. L. Fricker, chemist and druggist, is with this ambulance, but in a different section."

Miscellaneous.

FOR EXPORTING SAL AMMONIAC, which is on the list of prohibited goods, Shaw & Sons, Wolverhampton, and Morison, Pollexfen & Blair were ordered at Birkenhead, on September 3, each to pay 3*l.* 1*s.* 7*d.* costs.

A BRITISH RED CROSS MISSION, consisting of twenty-five ambulances completely equipped and a volunteer staff, under Sir George Trevelyan, has arrived at the Italian front. The mission met with demonstrations of welcome at all the principal Italian cities through which it passed.

BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.—The following amounts have been received during the week from pharmacists: J. W. Catford, 5*s.*; A. Chapman, 11*s.* 8*d.*; R. B. Betty, 10*s.* 6*d.* Subscriptions may be sent to Mr. W. J. U. Woolcock at 17 Bloomsbury Square, London, W.C.

A SIMPLE ANTISEPTIC.—Referring to the hypochlorous solution which has been devised for the antiseptic treatment of wounds, a French doctor states that he has found the best antiseptic for the purpose to be made from calendula. A solution containing from 1 to 4 dr. in a pint of sterile water is used, but whether this is an infusion of the flowers or a mixture of tincture and water is not stated.

AGENTS IN CHINA.—The Board of Trade announce that arrangements have been made by the Foreign Office in accordance with which H.M. Commercial Attaché at Peking and the Assistant Commercial Attaché, who is stationed at Shanghai, will be prepared to assist British firms in need of agents in China by putting them in touch where possible with suitable British agents in that country. Firms desiring to take advantage of this offer should communicate with H.M. Commercial Attaché for China, care of the British Legation, Peking, or with the Assistant Commercial Attaché, care of H.B.M. Consul-General, Shanghai.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Sunday, September 12.

Pharmacists' Voluntary Training Corps, Wesleyan Training College, 130 Horseferry Road, London, S.W., at 10 A.M. Drill.

Wednesday September 15.

Medical Qualification for Pharmacists' Movement, 17 Bloomsbury Square, London, W.C., at 3 P.M. Meeting of chemists interested.

Thursday September 16.

West Ham and Metropolitan Essex District Association of Pharmacists, Earlham Hall, Forest Gate, E., at 3 P.M. Meeting.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Co-operative Societies

The report of the Registrar of Friendly Societies for the year ending 1913 has just been issued. During the previous six years a feature of the increase in the number of societies registered has been the spread of agricultural trading societies. During 1913, 3,552 societies of all kinds furnished annual returns, from which it appears that the total membership of these societies is over three millions. The total sales of all classes amounted to nearly 130 millions sterling. Of this amount about forty millions would represent goods sold twice over, first by the wholesale and productive societies to the distributive societies and then by the distributive societies to the consumers. It is improbable that any distributive agencies other than co-operative societies purchase to any great extent from the co-operative wholesale or other productive societies. The salaries and wages paid by societies amounted to over seven millions, apart from a bonus paid to labour of 3[illegible]. It is somewhat surprising to observe that the profits for disposal amounted to nearly twice the amount paid in wages and salaries, the aggregate net profit for disposal reaching over thirteen millions. It has to be remembered, however, that by far the greater part of this surplus is profit made not in the income-tax sense, but has accrued among the customers by way of [illegible] on purchases, about [illegible] in the £ on the members' purchases, the interest paid on shares being less than [illegible] sterling, or a dividend of a little more than 4 per cent. upon the share capital. The value of the productive societies exceeded twenty-six millions sterling, or nearly one-fifth of the total sales. The share capital of industrial and provident societies amounted to over forty millions sterling, of which thirty-five millions was held by distributive societies. The average sales per member in the distributive societies for the year were nearly 50[illegible], or [illegible] per week, and the average dividend 5[illegible] per member.

Liverpool.

[illegible] University of Liverpool School of Veterinary Surgery has returned from the Vosges with his regiment, the [illegible] Purple Cross work for the French Army. They had a strenuous holiday.

The [illegible] of local retailers have surmounted the revival price of methylated spirit to 6[illegible] per pint. A few, fortunate enough to have good stocks, are still giving their customers the benefit of their supplies at the old price of 5[illegible] per pint.

The proprietor of a local drug-store received a rude shock last week. Entering upon his premises, he noticed a pale [illegible] with the wholesale house to order 1 pint [illegible] he was quite hurt when informed that they could no longer supply him, being an unqualified person. [illegible] the trade generally. There is nothing to prevent the [illegible] but all purchasers are not entitled to the rebate [illegible] per pint granted in respect to spirits used for manufacturing purposes.—[illegible]

Liverpool pharmacists are congratulating Mr. Henry [illegible] of Southport on his selection for the magistracy of that county borough. A correspondent who witnessed Mr. [illegible] first success in early experimental photography writes that he will never forget the patient enthusiasm of Mr. [illegible] the inventor. The experiment was conducted in the [illegible] the sky after a [illegible] time, there being present Mr. [illegible], Mr. Julius Ray (a professional [illegible]) and a correspondent.

Into the shop of a local pharmacist there bounced recently a well-dressed woman from the suburbs, who stated that all the chemists in her district were keeping half-holiday, and she had come three miles to have a fragment of glass or metal removed from her eye, which was causing her great pain. In a moment the operation was performed and relief given. "What is your charge?" asked the grateful patient. "Sixpence, let us say, to a lady." "Thank-you," dropped the patient as she sailed out of the shop to be seen no more.

At a meeting of the Committee of the local Grocers' Association on August 31, the Secretary stated that a sample of borax had been taken at the shop of a member of the Association by an inspector, who asked for "refined borax" as it is now described in the B.P. 1914. The President said that it is unlikely that proceedings will be taken. Grocers supply household borax only, not borax for medicinal purposes. It would be advisable, however, if asked for "refined borax" to say that the article sold is simply borax or genuine borax, added the President. It was agreed that a warning to the trade should be included in the next circular issued to members.

Manchester.

The Local Government Board has approved of the proposal of the local Guardians to purchase an *x*-ray apparatus for use at the Whitington Hospital, South Manchester.

The annual report of the Sanitary Committee of the Manchester Corporation indicates that two new agri-horticultural poison-licences were granted during the past year, and twenty-one licences have been renewed.

According to the report of the Corporation Sanitary Committee, 144 samples of drugs were purchased for analysis under the Sale of Food and Drugs Acts during the past year. All were found to be unadulterated. During the period May 1875 to March 1915 1,288 samples of drugs have been taken, of which thirteen were adulterated.

Plans have been passed by the Corporation for additions and improvements at the works of the following: Alfred Smith, manufacturing chemist, Clayton; Claus & Co., Ltd., chemical-manufacturers, Clayton; Levinstein, Ltd., chemical manufacturers, Crumpsall; The Clayton Aniline Co., Ltd., Clayton; and the Anchor Chemical Co., Ltd., Clayton.

Sheffield.

The recent order of Major-General Trotter, K.C.B., C.M.G., prohibiting the taking of photographs of nearly everything of interest in Sheffield and the adjoining towns, is likely to affect adversely photographic sales by chemists.

Although the heavy trades in Sheffield are very busy, retailers all over the city report a falling-off in trade during the past few weeks. The fancy-goods trade is chiefly affected, while insurance work is very much lower. Panel chemists' accounts for August amount to only 7[illegible] compared with 1,224[illegible] for August 1914.

Sheffield pharmacists will learn with regret that Dr. V. G. S. Dearden, who has been suffering from gangrene of the foot, has had his leg amputated. Dr. Dearden is the son of a former Sheffield chemist, who was in business at Heeley and Carbrook. Dr. Dearden is an enthusiastic student of botany and materia medica.

The winter session of the secondary higher school commences on September 20. The special classes available include chemistry and pharmacy. Students should enrol before September 24, otherwise a special enrolment-fee has to be paid. It is hoped that as many students as possible will join the pharmacy class, which is conducted by Mr. E. Preston, Ph.C., as the continuance of this class depends on the number joining.

Miscellaneous.

THE ABERLADY FLOWER SHOW.—This show was again a great success. The Chairman, Mr. Emrys Evans, F.R.H.S., chemist and druggist, informs us that a considerable sum of money is available to be handed over to the local branch of the Soldiers' Auxiliary Fund.

PETTY THEFTS.—At Sleaford (Lincs) on August 30, two lads were charged with the theft of goods belonging to Mr. J. R. Wood, chemist and druggist, Sleaford, on August 21. As they were implicated in other robberies, they were ordered to be detained in an industrial school for four years.

EARLY CLOSING.—The Accrington Corporation has expressed the opinion that a *prima facie* case for early closing of retail shops, including chemists', has been made out. The following hours are mentioned: Mondays and Thursdays, 8 P.M.; Tuesdays and Fridays, 9 P.M.; Wednesdays, 1 P.M.; and Saturdays, 11 P.M.

BRIGHT LIGHTS.—At Gosport on September 3, Bertram T. Abbott, manager for the Timothy White Co., Ltd., North Street, Gosport, was fined 30s. for a breach of the lighting order on the evening of August 28.—At Hull on September 7, Benjamin M. Stoakes, Ph.C., 16 Whitefriargate, Hull, was fined 10s. 6d. for a similar offence on August 28.

FIRE.—A fire broke out on September 6 at the medicated-lozenge department of Boots' factory, Island Street, Nottingham. The company's fire-brigade kept the fire in hand till the arrival of the city brigade, but nearly an hour elapsed before the fire was got under, and much damage was done. The 175 girls employed in the department escaped in an orderly manner.

FRAUD ON CHEMISTS.—Before the Recorder (Sir Forrest Fulton) at the Central Criminal Court on September 7, Sarah Elizabeth Delf (58) pleaded guilty to obtaining goods by false pretences from Boots Cash Chemists, Ltd., Regent Street, London, W., to the value of 23*l.*, and also from other firms, by means of worthless cheques, also with forging the said cheques (*C. & D.*, July 31, p. 128). She was sentenced to nine months' imprisonment in the second division.

PHARMACISTS AND MEDICAL STUDIES.—A meeting to discuss a proposed scheme by which pharmacists can take up the study of medicine will be held in the Lecture-hall at 17 Bloomsbury Square, London, W.C., on September 15, at 3 P.M. All chemists who are interested are invited to attend. Copies of the scheme can be obtained from Mr. Jas. Grier, the University, Manchester; Mr. Alban Atkin, 243 West End Lane, West Hampstead, N.W.; and Mr. R. J. Rutherford, Front Street, Newbiggin-by-Sea.

BLACKMAIL CHARGE.—Before Judge Atherley Jones at the Central Criminal Court on September 8, Hans Paul Studer (29) was indicted for feloniously demanding with menaces from Fredk. Schutze the sum of 25*l.*, with intent to steal the same. Prisoner pleaded "Not guilty." The facts in the case as stated in evidence have already been fully reported in the *C. & D.* Mr. R. D. Muir, counsel for the prosecution, now restated them, and Mr. Schultze supported the statement by evidence, and the hearing was continued on Thursday.

MEN IN THE WHOLESALE.—The War Office has stepped in between the National Shop-assistants' Union and the employés of a leading firm of wholesale druggists, with the result that "master and man" have agreed to the minimum-wage scale and a forty-eight hour week. The probationary period allowed to those coming into the trade has been fixed at eighteen months for those under twenty-one years of age when the minimum-wage scale comes into force. Negotiations with some other firms are proceeding.

PROFIT ON PROPRIETARY ARTICLES.—Among the motions to be considered at the meeting of the Executive Council of the National Chamber of Trade at Oxford on September 30 (Mr. R. C. Walshaw presiding), will be that "the Parliamentary Committee and Associations connected with the Chamber be asked to consider the question of proprietary articles and dividend-paying concerns, with a view to obtaining an arrangement with manufacturers whereby no return in the form of dividend or present must be allowed to purchasers of proprietary articles when minimum selling-prices are fixed by manufacturers."

POISONING CASES.—Five of the eight deaths due to poisons reported during the week were due to misadventure. The substances implicated were chloral hydrate, chlorodyne, cyanide of potassium, a sleeping-draught (a bromide mixture), and veronal. A Bradford workman took his life while in a depressed state of mind by taking prussic acid, which he purchased under the pretence that it was to be used to poison a dog; a Hackney workman ended his life by drinking spirit of salt while mentally deranged; and a girl died at Devynock, Breconshire, from strychnine poisoning. There was no evidence to show where the strychnine was obtained in the last case, and at the inquest the jury returned an open verdict.

IS PARAFFIN OIL PETROLEUM?—At a meeting of the Whitchurch (Hants) Rural Council on August 23, the question arose as to whether paraffin oil ("burning-oil") as sold by grocers and oilmen is petroleum under the Petroleum Act. The Council's inspector stated that petroleum is oil the flash-point of which is below 73° F. The Acting Clerk (Mr. H. Grinham) advised that petroleum includes paraffin, and the inspector thereupon remarked that he must report everyone who stores paraffin without a licence. [It is true that by the Petroleum Act, 1871, paraffin oil giving off an inflammable vapour at less than 100° F. was "petroleum," but this was lowered to 73° F., and a method of determining this flash-point prescribed by the 1879 Act. The Acting Clerk's statement was incorrect in so far as he overlooked this statutory limitation.—EDITOR *C. & D.*]

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Pharmaceutical Society of Ireland.

Intending new candidates for election to seats on the Council should note that their nomination-papers must be in the Registrar's hands by 12 noon on September 20.

The practical chemistry class at the Society's schools will re-open on Friday evening, October 1. The theoretical chemistry, materia medica, and botany classes will re-open on Tuesday evening, October 5.

The latest dates for lodging applications for the October examinations are as follows: Thursday, September 23, for the Preliminary examination; Tuesday, September 28, for the Registered Druggist examination; Wednesday, September 29, for the Pharmaceutical Licence examination; and Monday, October 4, for the Pharmaceutical Assistant examination. Applications should be lodged with the Registrar by 11 A.M. on the respective dates.

Brevities.

The Cork Board of Guardians, on September 2, elected Mr. J. T. O'Sullivan dispenser to the Union at a salary of 52*l.* per annum.

Mr. J. E. Redmond, M.P., with Sir Stanley Harrington and Mr. J. S. McArdle, L.R.C.S., visited the explosives works of Kynoch, Ltd., at Arklow, on September 1.

The Local Government Board has intimated to the Navan Board of Guardians that in a number of Irish Unions the Guardians have been able to get drugs analysed at fees varying from 5s. to 6s. a sample.

The death occurred recently at Limerick of Mrs. Martha Boyd, widow of James H. Boyd, founder of J. & G. Boyd, Ltd., Limerick. The late Mrs. Boyd was a Greek and Hebrew scholar and spoke several European languages.

A public meeting, organised by Mr. James Dale, Ph.C., was held last week in Dromore Town Hall, in aid of the Military Home Hospitals Reserve. Mr. Dale has volunteered to impart the necessary instruction to recruits anxious to obtain certificates.

At Ballymena Board of Guardians on September 4 a letter was read from Mr. R. F. Burke, analyst, Belfast, refusing to accept the advance in his salary from 13*l.* to 15*l.*, and stating that unless it was raised to 25*l.* per annum he would resign. It was unanimously agreed to offer 22*l.* 10*s.*

Mr. T. R. Cambridge, second lieutenant 13th Battalion Royal Irish Rifles, qualified as a second-class instructor at the last rifle course held at the Irish Command School of Musketry. He is a son of Mr. Robert Cambridge, J.P., Carrickfergus, an ex-President of the Chemists and Druggists' Society of Ireland.

At a meeting in Lurgan last week, under the auspices of the local branch of the St. John Ambulance Association, for the purpose of securing recruits for the Military Home Hospital Reserve, Mr. A. W. Mann, Ph.C., Quartermaster and Secretary of the branch, said that shortly after the outbreak of the war fifteen members of a class of twenty-eight had volunteered for service in the Army.

At the annual meeting of the Apothecaries' Hall of Ireland, Dublin, the following were elected: *Governor*: Dr. T. M. Grath. *Deputy-Governor*: Dr. H. W. Mason. *Court of Directors*: Dr. E. Mazennis, Dr. B. Burke Kennedy, Dr. A. Charles, Dr. J. D. Crinion, Dr. J. O'C. Delahoyde, Dr. W. F. Delany, Dr. W. J. Healy, Dr. M. Keogh, Dr. J. C. McWalter, Dr. P. Merrin, J.P., Dr. J. J. O'Sullivan, Dr. Sheppard, and Dr. J. Daniel.

TRADE WITH MEXICO.—The Commercial Intelligence Branch of the Board of Trade have received the following telegram from His Majesty's Consul at Mexico (Hay): "Communications restored with Vera Cruz by rail. In my opinion it will be preferable to defer shipments of British merchandise for the present, except by advice of agents here. Communications still interrupted between here and northern frontier."

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Medicines for Necessitous Dependants.

The Executive of the North British Branch of the Pharmaceutical Society is in communication with the two Central Scottish Committees of the Soldiers' and Sailors' Families Association with a view to checking any abuses connected with the scheme, and it is hoped chemists will continue the service till negotiations are completed to secure limitations of the benefit to really necessitous dependants of men who have enrolled to fight for King and country.

Aberdeen and the North.

Mr. William Cruickshank, chemist and druggist, Fraserburgh, is announced as the winner of a local billiard tournament in aid of war funds.

Joseph Lyall Horne, sole partner of Horne Brothers, wholesale chemists, 115 Loch Street, Aberdeen, has granted a trust deed on behalf of his creditors in favour of Mackenzie & Wilson, advocates, 14 Crown Street, Aberdeen.

Owing to the large quantities of sphagnum moss which are being collected in the vicinity of Lerwick and in the Shetland Islands generally, the Committee at Lerwick have announced that they regret they are unable to clean and dry all that has been collected in the Islands, as their facilities for doing so are overtaxed. Collectors are asked to clean and dry the moss, and, if possible, to send it direct to Leith from their districts. It is carried free of charge by the North of Scotland Co.'s boat.

Fife.

Mr. J. Izatt, lately with Mr. W. T. Hughes, chemist, Methil, who joined the R.A.M.C., has now been appointed a dispenser on the hospital ship *Oxfordshire*.

Mr. John Carmichael, chemist, Leslie, organised and conducted the recruiting arrangements and provided a recruiting office on the occasion of Major Gilbey's recruiting visit with his new army band to the district last week-end.

The British Aluminium Co.'s Works at Burntisland are rapidly nearing working order. The first order is for H.M. Government. As already mentioned in the *C. & D.*, these works will be the largest of their kind in the world.

Dr. D. M. McDonald, late medical officer of health, Leven (formerly an assistant with Davidson & Kay, Aberdeen), contributes to the "Practitioners' Encyclopædia of Medical Treatment" a paper on "Drugs Producing Convulsions—Strychnine, Brucine, Picrotoxin, and Camphor."

A Scandinavian vessel of particular interest to chemists has left an East of Scotland port. This ship was a whaler carrying a navigating captain and a whaling captain. On board was an oil and blubber factory which will enable manufacturing to be carried on during the voyage. The crew numbered all told about 100, including factory hands, and the vessel was about 10,000 tons burden—unusually large for a whaler.

Glasgow and the West.

Owing to the threatened bottle famine panel chemists in some districts are now charging insured persons 2*d.* for 3-, 4-, 6-, and 8-oz. bottles.

William Wilson & Co., Paisley, have presented a petition to the Court of Session for sequestration of the estates of the Blythswood Chemical Co., Ltd., Paisley.

There was a phenomenal response to the appeal for spectators to view the Caledonian Ambulance train last week-end (*C. & D.*, September 4, p. 36). The Red Cross will benefit to the extent of 2,000*l.* In the four days 40,000 visited the train.

The honey harvest this season will not be of the best as the recent thunderstorms and disease among the bees are having marked effects on the harvest. There is every prospect of a considerable advance in prices, and wax is likely to rise also.

Last week information came to Uddingston that Miss Edgware, Clydeneuk House, had died at her residence, near Paris. She was connected with the firm of John Poynter, Sons & McDonalds, manufacturing chemists, 72 Great Clyde Street, Glasgow, and spent the greater part of her life at her French residence.

Again last week, by order of the Admiralty, the cargoes of three prize vessels consisting of huge lots of lard and fifty-four cases of meat extract were put up for sale in the Trades Hall, Glasgow. There was a large attendance of buyers (including prominent manufacturing chemists) and the stock was quickly disposed of.

The Committee recently appointed to secure a central supply of radium for Glasgow and the West of Scotland (*C. & D.*, 1914, II., p. 366) intimate that radium treatment is now available for patients who require it. In order to insure proper and efficient treatment, and to ascertain the therapeutic value of radium, the Committee has arranged with the Royal, Western, and Victoria Infirmaries, and the Royal Cancer and Royal Samaritan Hospitals of Glasgow to carry out the treatment of persons applying for and requiring radium treatment.

At a meeting of the Special Committee on Shops Act of the Glasgow Corporation there was submitted by Sir John Lindsay, the Town Clerk, (1) a letter from the Hon. Secretary of the Glasgow and West of Scotland Chemists' Association, asking the local authority to make a closing order for chemists and druggists; and (2) his reply thereto, in which he pointed out that the local authority has no power to make such an order for the trade mentioned, in respect that shops in which the only trade or business carried on is the sale of medicines and medical and surgical appliances, are specifically exempted from the provisions of Section 5 of the Shops Act, 1912. The Committee approved.

The prospectus for session 1915-16 of the Royal Technical College has just been issued. Day classes commence on September 28 and evening classes on September 23. Of special interest to chemists are the evening classes in experimental physics (Monday, Wednesday, and Friday evenings); electricity and magnetism (Thursday evenings); heat and properties of matter (Tuesday evenings); and chemistry (Monday, Tuesday, Wednesday, and Thursday evenings). A special class on the chemistry of fats and oils will be held on Monday evenings. Classes in botany will be held on Tuesday, Wednesday, and Thursday evenings, and in bacteriology on Monday and Tuesday evenings. Special arrangements can be made for laboratory work. It is of interest to note that the College is now affiliated to Glasgow University, and the degrees of the University in applied chemistry are open to its students.

French News.

(From the "C. & D." Paris Correspondent.)

While Paris Waited.—Among the many symptoms of the gradual "settling down" of France to war-time conditions, we may rank the reappearance of the official organ of the General Association of French Pharmacists. The first "Bulletin" issued by the great "National Federation" since the war gives an interesting retrospect of the work of this body since last August.

Legion of Honour.—The following pharmacists serving in the French Armies have been made officers of the Order: Pharmacist-Majors Bisserie and Weill, and Principal Pharmacists Pauleau, Riser, and Guillot; the Chevalier's Cross has been bestowed on Pharmacist-Majors Gaulier, Minet, Courant, and Bruère, and on MM. Authier and Guillotcau, of the Colonial troops.

Asphyxiating Gases.—Senator Paul Cazeneuve, Professor of Chemistry at the Lyons Faculty, and "rapporteur" of the Army Committee, has published a report on the German "poison-gas" attacks. He states that chlorine was certainly the principal constituent, but it is uncertain with what it was mixed. The British recognised bromine, nitrogen peroxide also being mentioned. Analysis of respirators after the gas attacks of April 26 and May 2 showed that chlorine dominated, but chloroxycarbonic gas was strongly suspected.

COLORADO RADIUM.—The French Ministry of Foreign Affairs has sent to the Académie des Sciences a note reporting the discovery of mineral springs in Colorado containing radium in such large quantities that a gram of the metal will in future cost only 7,200*l.* instead of 32,000*l.* So rich are the springs that, it is said, they may lead to the industrial extraction of radium.

[We presume that the springs referred to give off radioactive gases, just like certain springs at Bath, but this is not proof that radium can be extracted from the water, nor does it necessarily follow that the mineral deposits that the water comes through can be exploited for the production of radium. Therefore the report must be accepted *cum grano salis*.—EDITOR *C. & D.*]

CHEMICAL-MANUFACTURERS' RING.—The French Government has commenced legal proceedings against an alleged trust in certain chemical products. Certain electrochemical and metallurgical factories, principally in the Pyrénées, the Alps, and the Dauphiné, are said to be implicated, and their head offices and depôts in Paris and the provinces have been searched. Documents to fill a room in the Palais de Justice have been seized, and are now being sorted out by experts. A "hold-up" in the price of certain essential prime materials is alleged.

COCAINE FOR MONTMARTRE.—Harry Thomas, an American, forty-six years of age, was arrested on Saturday, September 4, by the Paris police charged with dealing in cocaine, opium, morphine, cantharides, and hashish. At the moment of his arrest Thomas was handing over a supply of cocaine to a Montmartre *demi-mondaine*. The police had hunted for him in vain for two months owing to the fact that he had at least six residences. In addition to the alleged traffic in narcotics, Thomas has been carrying on a business in cattle and preserved meats. The examination of the prisoner led also to the arrest of Alfred Douard, on a similar charge, and Georges Nardin, a druggist in the rue de Cléry. The latter kept a memorandum-book in which he recorded his profits.

FRENCH NATIONAL ORGANISATION.—M. Lucien Chassaigne, writing in the "Journal" on the organisation of national effort, hints that certain Societies were unduly neglected by the Government. The National Society for the Encouragement of Industry has three sections, chemical, mechanical, and constructive, headed by competent and technical men. It offered its services; they have never yet been accepted. The Chemical Society of France, and the Association of Sugarmakers and Distillers, might also have been consulted. Had this been done, says M. Chassaigne, a certain Paris chemical-works, admirably equipped, would have been utilisable, a Marseilles chlorine-factory might be running on full time, etc. But the cream of M. Chassaigne's article is the following little anecdote :

Two years ago the Nobel Chemistry Prize was divided between Professor Sabatier, of Toulouse, and Professor Grignard, of Nancy. The studies of the latter *savant* regarding explosives were so remarkable that it was decided to place him at the head of the new Naval Powder Laboratory which Parliament had resolved to establish. The decree appointing him Director was already prepared when the war broke out, but still unsigned; so Professor Grignard, aged forty-four (he was born in the Franco-German War year), was called up as a private in the reserve regiments told off to guard the lines of communication—the G.V.C., as we call them here For five months this eminent authority on explosives conscientiously challenged motor-cars and regulated high-road traffic, the slave of patriotic duty. He was discharged and sent home, then called up again; but by this time some of his colleagues had learned the facts, and a few weeks ago it was decided to offer him a post on the War Committee, Chemical Investigation Department. But why was it not done a year ago?

BOOTS CASH CHEMISTS, LTD., have opened new branches in Boar Lane, Leeds, and at 9 and 10 Wine Street, Bristol.

SIAMESE OPIUM.—Some of the hill tribes grow a good deal of opium in the Chiengmai district of Siam. The Government purchase some of this, but it is thought that the growers succeed in disposing of a large part of their opium crop to illicit dealers.

India and the East.

(From the "C. & D." Correspondents.)

SMUGGLING ARMS IN OIL-DRUMS.—At the wharf used by the North German Lloyd steamers in Singapore arms and ammunition were found in petroleum-drums. More evidence of German "frightfulness."

EUROPEAN CHEMISTS' ASSISTANTS are very scarce in India at present, and numerous advertisements are appearing in local newspapers, as employers are finding it exceptionally difficult to get men from home.

PASTEUR TREATMENT.—The work done by the Pasteur Institute at Kassauli continues to expand each year. In 1914 the number of patients who underwent treatment was 4,539, compared with 3,984 in 1913, the Europeans numbering 461.

A JAPANESE NEWSPAPER reports that since the stoppage of imports of chemicals into Japan the Government Hygienic Laboratories in Tokio and Osaka have been busy making chemicals, including hydrochloric, sulphuric, salicylic, and carbolic acids, atropine, morphine, and bismuth salts.

CARBOLIC-ACID PRODUCTION IN JAPAN.—The experimental production of benzol, naphthaline, carbolic acid, and aniline by the Tokio Gas Co. has been attended with satisfactory results. The company is stated to be producing about 24 cwt. of carbolic acid monthly, an amount which it is hoped to increase immediately to 6 tons monthly and ultimately to about 16 tons. It is reported that a semi-official factory is to be started in Japan.

KEMP & CO., LTD., BOMBAY.—A general meeting of the shareholders was held on August 14 at the Sassoon House, Fort, Bombay, Colonel Khareghat, I.M.S., being in the chair. The report for the year showed a profit of Rs. 27,096, out of which Rs. 9,315 was written off to the wear-and-tear account. A dividend of Rs. 7-12 per share, absorbing Rs. 17,500, was declared. To Mr. Pell, the late manager, a bonus of six months' pay was given for his long services. The retiring directors were re-elected and auditors appointed.

GANJA IN CEYLON.—At a meeting of the Legislative Council on August 16, the Hon. A. Kanagasabai moved: "That the attention of the Government be drawn to the hardships caused to the native medical practitioners, known as vedaralas and vythiars, being prevented from possessing ganja, and to move that provision be made for their being registered as persons entitled to possess a certain amount of ganja for *bona-fide* medical purposes." After a long discussion the motion was put to the Council, and lost by thirteen votes against eight.

ENEMY FIRMS IN BOMBAY.—A notification in the Bombay "Government Gazette" states that the following firms who were granted a licence up to August 14, 1915, under Clause 4 of the Order for carrying on their trade or business in British India, have been refused an extension of the licence after that date, and that the said firms shall deposit all the assets of their trade or business with the Government officer appointed: Farbenfabriken Bayer & Co., Ltd.; Badische Co., Ltd.; Meister, Lucius & Brüning, Ltd.; Leopold Cassella & Co.; Berlin Aniline Co., Ltd. (represented by Volkart Bros.); Sanatogen Co.; Heino & Co.; Farbwerk Mulheim vorm. A. Leonhardt & Co. About thirty other hostile firms in Bombay are included in the list.

AN AUCTION OF ANILINE DYES.—Under instructions of the Controller of Hostile Trading Concerns the stock-in-trade of aniline dyes, etc., of the late firm of Farbenfabriken Bayer & Co., Ltd., was sold by public auction in Bombay on August 12. About 150,000 lb. of dyes were offered in numerous small lots so as to enable the poorest trader to purchase. Several hundred buyers were present, and the bidding was of a brisk description; the highest offer during the first day of the sale was Rs. 13-4-0 per lb., which was approximately six times more than the pre-war price. The auction, which lasted several days, was carried on under the supervision of Mr. P. G. Jones, who was specially sent out from England to wind up the affairs of the company. In India, with Bombay as its headquarters, the Bayer Co. had twenty sub-offices.

GERMAN CONCERNS IN SINGAPORE.—At a meeting of the Singapore Legislative Council on August 12, Sir Evelyn Ellis submitted the following motion :

That in the opinion of this Council it is desirable that liquidators be appointed under the Alien Enemies (Winding-up) Ordinance, 1914, of the businesses of the following companies, firms, or persons: The Singapore Oil-mills and the Medical Hall.

Referring to the Medical Hall, Sir Evelyn said it was managed by a British subject—viz., a man who was

naturalised as a British subject, but was still a German at heart. Under that guise of naturalisation the business was being carried on solely in German interests. As Sir Evelyn had been assured on high authority that the policy of Great Britain was not to close down private commercial enterprises run by or in the interests of those with whom we were at war, except for military reasons, he withdrew his motion.

NARCOTICS FOR INDIA.—A list was published in THE CHEMIST AND DRUGGIST of August 21 (p. 41) of medicinal preparations containing cocaine and other derivatives of the coca-plant which are exempt from Customs and Excise restrictions in India. A corrigendum since issued by the Department of Commerce and Industry, and published in the "Indian Trade Journal" of August 13, states that for item 16 of that list the following should be substituted: 16. Pastilles, pills, tabloids, or soloids (made by any of the following—viz.: Dakin Bros.; Evans Sons Lescher & Webb, Ltd.; Burroughs Wellcome & Co.; Parke, Davis & Co.; Burgoyne, Burbidges & Co.; Allen & Hanburys, Ltd.), containing cocaine or other derivatives of coca in admixture with other drugs, the percentage of which would render it impossible for any pastille, pill, tabloid, or soloid to be taken for the effects of cocaine alone, as: Pill damiana compound. Pastilles or tabloids of benzoic-acid compound; atropine and cocaine; homatropine and cocaine; pilocarpine and cocaine; tablets zinc sulphate and cocaine; tablets chlorate of potash, borax, and cocaine; tablets krameria and cocaine; tablets menthol and cocaine; tablets menthol, eucalyptus, and cocaine; tablets menthol, red gum, and cocaine; tablets benzoin and cocaine; tablets throat mentholated.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Province.

MR. J. SCOTT, manager of Petersen, Ltd., has returned to Cape Town after spending a very pleasant holiday in England.

MR. N. O. RUFFEL, who had been in business at Kimberley for thirty years, died recently. He was universally liked, and will be much missed.

LOCAL MANUFACTURES.—According to the "Record" of the P.A.T.A., there has been since the commencement of the war considerable improvement in local manufactures. The activity points to the possibility of South Africa being more independent of outside countries in the future.

OFF TO THE WAR.—Mr. L. H. Walsh and Mr. W. A. Sleggs, members of the Council of the P.A.T.A., have joined the Overseas Contingent of the South African Army, which is shortly sailing for Europe. Mr. Geo. Faoden, who has travelled for Chamberlains, Ltd., has left by the *Kenilworth Castle* to join the British Army.—A meeting of the staff of Heynes Mathew, Ltd., was held to wish Godspeed to the men who have joined the Overseas Contingent. Mr. F. C. Mathew presided. The members of the staff who have answered the call are: W. Byars, Imperial Naval Reserve, and S. Moyle; T. Adlard (the two last named have seen service in S.W.A.); E. Grant, W. Hamilton, R.A.M.C.; V. Warrenton, R.A.M.C.—all for the Overseas Force. Several more of the staff have volunteered their services. Presentations were made to Mr. Moyle and Mr. Grant, and the announcement was made that half salaries will be paid to men who have joined the Forces. The Board of Directors have also contributed 250*l.* to the Overseas Fund, and the staff have also decided to make a contribution to the same fund.

P.A.T.A.—The annual meeting of the Proprietary Articles Trade Association of South Africa was held at the new offices, Savings Bank Buildings, St. George's Street, Cape Town, on August 12. Mr. D. L. Petrie (President) in the chair. The Treasurer's report showed that subscriptions amounting to 463*l.* 2*s.* 9*d.* were received during the year ended July 31, donations 4*l.* 14*s.* 6*d.*, and profit on the "Record" 5*l.* 1*s.* 2*d.* The surplus balance for that period was 165*l.* 10*s.* 6*d.* The chief items of expenditure were: Salaries, 165*l.*; rent, 30*l.*; bad debts, 43*l.* 1*s.* There was a deficiency of 73*l.* 12*s.* 9*d.* at the corresponding period of the previous year. The report was adopted by the meeting, as also was the Council's report. The nominations for the new Council did not exceed the vacancies, and consequently no ballot was needed. The Council is now made up as follows: *Manufacturers*—Messrs. A. Price, G. F. Oldfield, J. Sowden, and A. Wolfe; *Wholesalers*—Messrs. Frank Mathew, Ashley Miller, J. Scott, and J. H. Walsh; *Retailers*—Messrs. Gardner-Hopkins, D. L. Petrie, W. A. Sleggs, and J. Sloan. Mr. E. C. FitzPatrick was elected auditor. Votes of thanks to the President and Treasurer (Mr. A. Wolfe) concluded the meeting.

BACK FROM THE WAR.—Mr. G. Smith Houghton, chemist, Kimberley, whose experiences in the South-West African campaign were given in the *C. & D.*, July 17, p. 34, is back again at business after an absence of nine months. Supplementing the communication referred to above, Mr. Smith Houghton writes: "After leaving Keetmanshoop, I spent a week in the Shark Island Hospital at Luderitzbucht. The chemist's shop at Luderitzbucht is well fitted and stocked, and, as this is the only chemist's shop for 200 miles, it must have been a splendid business. I returned on the *Ebani* to Cape Town, which used to be a hospital-ship, but is now a transport with accommodation for patients. I am glad to see the chemists at home are pressing for commissioned rank, and I hope they will be successful. A lot of waste is caused through incompetent persons in charge of medical stores, which could be prevented by utilising the services of trained chemists. The authorities are now recruiting ambulances for Europe. The S.W.A. experience has been a fine training; some of the men who were with me have already signed on. The chemist who came to Keetmanshoop as a prisoner was the former dispenser at the hospital there; the owner of the chemist shop died in Windhuk from typhoid."

Natal.

BUSINESS has been very good at Durban during the season, although the weather has been somewhat changeable. Several chemists spent their vacation at Durban, among them being Mr. E. J. Adcock (Krugersdorp), Mr. W. J. Lay (Johannesburg), and Mr. Murray (Pretoria).

PERSONAL.—Mr. G. Taylor (Johnson & Johnson), Mr Glennie Watts (Evans Sons Lescher & Webb, Ltd.), and Mr. J. W. Hull (Parke, Davis & Co.) were in Durban when the mail left.—Mr. R. Budge has taken over the business of Mr. D. S. B. Anderson at the corner of Clark and Bulwer Roads, Durban.

Transvaal.

PERSONAL.—Mr. Chas. Gerrish (Southall Bros. & Barclay, Ltd.) and Mr. W. R. Everett (Eucryl, Ltd., and Ashton & Parsons, Ltd.) have arrived in Johannesburg.

GAS-RESPIRATOR.—Dr. Lindsay Johnson, of Johannesburg, who is well known to chemist-opticians in the old country as an oculist and on account of his high attainments in the science of optics, has devised a respirator for absorbing poisonous gases such as are employed by Germans in their barbarous system of warfare. The absorbent-material employed in the respirator is a vegetable product peculiar to South Africa, and obtainable in unlimited quantities.

Cape Province Pharmaceutical Society.

A MEETING was held in the Society's room on August 19, at 8 P.M., among those present being Messrs. Jas. Sloan (President), J. Dell (Vice-President), Aitkin, Edmeades, Froembling, Hill, Sowden, and Austin Thomas. The question of a combined subscription-list for the Oversea Contingent Fund led to an interesting and animated discussion. One member hoped these funds would prevent such a state of things existing after this war as happened after the Crimean war. He had a very distinct recollection of seeing scores of maimed men going about London begging. Ultimately it was decided that, as several chemists had already subscribed to the fund, it be left to individual chemists to subscribe or not, as they pleased. There being no further business, the meeting terminated.

The President then called a special meeting to consider the advisability of altering Rule 41 to read November 30 in place of December 31. The reason for the alteration was that members had in the past been nominated for election as councillors who had not paid their subscriptions, and were therefore ineligible. If November 30 be substituted, then when the list of members eligible for nomination was being made out those members who had not paid their subscriptions would not be included. It was decided to alter the date to November 30.

THE ZEPPELIN RAID on the Eastern Counties and London district on Wednesday evening gave rise to many wild rumours, among them a statement that a drug warehouse had been destroyed. The fact is that *one window in the warehouse was broken and no other damage done*! Business was resumed on Thursday morning as usual, and as it would have been had a street arab thrown a stone through the window. The circumstance is an excellent example of the extreme exaggerations which follow such incidents.

Legal Report.

Trade Law.

Shops Act.—At Blackpool, on September 2, John William Greenwood, chemist and druggist, was fined 6*s.* in each of three cases for failing to give an assistant a half holiday and neglecting to exhibit in his shop the necessary notice.

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

MANSFIELD MINERAL-WATER CO., LTD. (P.C.).—Capital 2,000*l.* Objects: To carry on the business of Goldie & Co., mineral and aërated water manufacturers, Mansfield, Notts. The first directors are B. Royce and W. A. Royce.

READ HOLLIDAY & SONS, LTD. (P.C.).—Capital 100*l.* Objects: To carry on the business of dyers, manufacturers of and dealers in dyes, colours, chemical substances, etc. Solicitors: Slaughter & May, 18 Austin Friars, London, E.C.

OLDLAND, LTD. (P.C.).—Capital 100*l.* Objects: To carry on the business of chemists, druggists, drysalters, opticians, etc. The first directors are not to be less than two nor more than three; the first are G. W. Oldland and R. W. Oldland, Ph.C. R.O., 20-28 Broad Street Avenue, London, E.C.

GLAISYER & KEMP (CHEMISTS), LTD. (P.C.).—Capital 1,000*l.* Objects: To carry on the business of chemists, druggists, indiarubber and waterproof dealers, restaurateurs, etc., to acquire the business of Glaisyer & Kemp, chemists and druggists, 11-12 North Street, Brighton. The first directors are F. Guy (managing director and chairman) and E. C. Baldwin. R.O., as above.

HIGHLAND SPRING, LTD. (P.C.).—Capital 2,000*l.* Objects: To acquire and take over, amalgamate, and combine as one going concern the business of manufacturers and sellers of aërated waters, carried on by the Aedershay Agency, Greenock, and Highland Spring, Tarbert. The first directors are R. M. Lawson, O. F. Lawson, and J. MacArthur, jun. R.O., 3 Clarence Street, Greenock.

CAPITAL CHEMICAL CO., LTD. (P.C.).—Capital 5,000*l.* Objects: To carry on the business of manufacturing and retail chemists and druggists, dealers in salts, acids, alkalies, drugs, medicines, medicaments, herbs, and pharmaceutical, chemical, and surgical materials and appliances, etc. The first directors are T. Parker, E. J. C. Chapman, and S. Lingwood. Solicitor: P. G. C. Shaw, 4 Clement's Inn, Strand, W.C.

W. H. SEAGER & CO., LTD. (P.C.).—Capital 30,000*l.* Objects: To take over the business of a ship-store merchant, carried on by W. H. Seager, sen., as "W. H. Seager & Co." at 108 and 109 Bute Street, Cardiff, and to carry on the same and the business of chemists, druggists, drysalters, oil and colour men, etc. The first directors are W. H. Seager, sen., J. E. Seager, W. H. Seager, jun., and G. L. Seager. R.O., as above.

Gazette.

Partnership Dissolved.

BISHOP, C. B., and SMITH, G. H., lacquer-manufacturers, Coventry Street, Birmingham, under the style of Bishop & Smith.

Bankruptcy Acts.

RECEIVING ORDER AND ADJUDICATION.

CHRISTMAS, R. W. S., 5 Portland Road, Aldridge, Stafford, lately at Alfred Place, South Kensington, and formerly at Rotherwick Road, Golder's Green, Finchley, and Ferndale Road, Paddington, physician and surgeon.

Deed of Arrangement.

Barnes, Herbert, Helsby Pharmacy, Chester Road, Helsby, Cheshire, Chemist.—Trustee: P. P. Booth, 2 Bixteth Street, Liverpool, accountant. Dated, September 2; filed, September 4. Liabilities unsecured, 180*l.*; estimated net assets, 75*l.* The creditors include Ayrton, Saunders & Co., Ltd., Liverpool (80*l.*).

Marriages.

Authenticated notices are inserted without charge.

BAILEY—WALKER.—At Matlock, by the Rector (the Rev. Canon J. W. Kewley), recently, William L. Bailey, F.C.S., chemist and druggist, to Sarah Isabel, daughter of the late S. Walker, of Matlock.

BRAND—HINES.—In London, on September 2, Alexander Lowden Brand, chemist and druggist, London, formerly of Dundee, to Azubah, second daughter of Mr. David Hines, Wakefield, Yorks.

BUSH—HOOPER.—At St. Mary's Church, Chesham (Bucks), on August 31, William Bush, only son of the late George Bush, chemist and druggist, Chelmsford, to Nellie, second daughter of the late Mr. Hooper, Chesham.

DOIG—IRELAND.—At Fisherwick Church, Belfast, on September 1, by the Rev. Charles Davey, B.A., William, eldest surviving son of Mr. William Doig, Kin-Gower, Myrtlefield Park (W. Doig & Co., druggists, Mill Street, Belfast), to Elizabeth Brockie Ireland, B.A., elder daughter of Mr. James Ireland, St. Ronans, Malone Road, Belfast.

HILL—ALLEN.—At the Congregational Church, Eccles, Lancs, by the Rev. Mr. Taylor, on September 4, Robert William Hill (representative of D. & W. Gibbs, Ltd., London) to Florence, only daughter of Mr. and Mrs. Allen, Virginia Villa, Eccles.

POWER—BOULTON.—At St. Andrew's Church, Totteridge, Herts, by the Rev. E. Smith, vicar of Totteridge, assisted by the Rev. Lord William Cecil, Canon of St. Albans and Rector of Hatfield, on September 2, Sir George K. B. Power, Bart., of Kilfane, to Eva Gertrude, daughter of Sir Samuel Bagster Boulton, Bart., of Copped Hall, Totteridge, and of Burt, Boulton & Haywood, Ltd.

TIBBIT—BRUCE.—At the Baptist Church, Pretoria, Transvaal, by the Rev. Mr. Davies, on August 9, Leonard Read Tibbit, chemist and druggist, manager of Phillips & Co., Pretoria, to Isabel Leask, daughter of the late John Mackie Bruce, Peterhead.

TREBILCO—HYATT.—At Russell Town Congregational Church, Bristol, on August 31, Arthur James Trebilco, chemist and druggist, only son of the Rev. James Trebilco, Seymour Road, Stapleton Road, Bristol, to Ellen Ethel, eldest daughter of Mr. Hyatt, Redfield, Bristol.

WARNER—BASSETT.—At St. Jude's Church, Wolverhampton, by the Rev. A. S. Thorpe, B.A., assisted by the Rev. E. W. Lumley (uncle of the bridegroom), on September 2, Charles Mathew Warner chemist and druggist, eldest son of Mr. M. R. Warner, chemist and druggist, Wolverhampton, to Blanche Marjorie, younger daughter of Mr. Bassett, Wolverhampton. [At a gathering of the Wolverhampton District Chemists' Association on August 31, a wedding-gift, an electro-plated tea-service, was presented to Mr. C. M. Warner. The presentation was made by Mr. E. E. Hall (President) in a felicitous speech.]

Deaths.

Authenticated notices are inserted without charge.

CARLETON.—At Belfast on September 3, Mr. Goodwin Henry Carleton, Ph.C., the Medical Hall, Larne. Deceased became a licentiate of the Pharmaceutical Society of Ireland in 1895, and began business in Larne about twelve years ago. Previously he had been an assistant in Belfast. Mr. Carleton had been suffering from an internal complaint for the past six months, and had undergone surgical treatment without beneficial result. He leaves a widow and three children. The funeral took place on September 5 at Larne.

CARR.—At Lyndhurst, Loughborough Road, Leicester, on August 27, Mr. Edwin Carr, fever-powder manufacturer, 168 Wharf Street, Leicester, aged sixty-three. Mr. Carr was a wealthy man, of a very modest, retiring disposition, and was little known even to the public of Leicester. He was of an extremely generous disposition, giving large sums away anonymously, one of the chief beneficiaries in this respect being the Leicester Royal Infirmary, in which he took an especially keen interest, and he was a life governor of it. By his will the Infirmary benefits to the extent of 5,000*l.*, and other local charities also receive legacies. The funeral took place at Belgrave on August 31, the Vicar of St. Peter's (the Rev. R. B. Disney) conducting the service, the chief mourners being Mr. P. C. Loseby, Mr. C. W. Cowley, and Mrs. Neale (cousins).

Forby.—At Johannesburg, on August 11, Mr. Archibald Forby, chemist and druggist, of A. Forby & Co., Johannesburg, aged fifty-one. Mr. Forby died suddenly from heart-failure while at business. He had been resident in Johannesburg for a number of years, and before commencing business on his own account was with Loewenstein, Adams & Co., Ltd. Mr. Forby was in Downham Market, England, when he commenced his pharmaceutical career, and passed the Minor examination in London in April 1894.

Holdroyd.—On September 7, Mr. Joseph Holdroyd, proprietary-medicine manufacturer, the Medical Hall, Cleckheaton, aged sixty-six. Although Mr. Holdroyd served his apprenticeship to a chemist and druggist in Bradford, he never appears to have qualified under the Pharmacy Acts. He carried on a successful business in Cleckheaton, his specialities being well known in the district. He took an active interest in local affairs, having been for two years a member of the Local Board.

Mosley.—In London, on August 28, Mr. William Francis Mosley, chemist and druggist, 45 East Dean Road, Eastbourne.

Strutt.—At East Melbourne, Victoria, on July 1, Mr. Samuel Shipham Strutt, chemist and druggist. Mr. Strutt was born in Nottingham, apprenticed at Dewsbury, Yorkshire, and acted as assistant at Northampton and Mansfield. He passed the Modified examination of the Pharmaceutical Society on April 16, 1869. He emigrated to Australia in 1872, and started a business in East Melbourne, which he continued to conduct until 1913. He was a member of the Pharmacy Board of Victoria from 1886 till 1913, and was President in 1902-3. He was also a member of the Council of the Pharmaceutical Society from 1893 till 1913. His eldest son, Corporal C. H. Strutt, was killed recently at the Dardanelles, the news of his death being received only a few days before his father's death.

Thompson.—We have learnt this week of the death of Mr. John Thompson, chemist and druggist, who for nearly fifty years was associated with the house of Maw, and was a partner in the firm of S. Maw, Son & Thompson from 1870 until his retirement at the end of 1900. Mr. Thompson was born at Macclesfield in 1825, and served his apprenticeship with Mr. John Lofthouse, chemist and druggist, Kingston-upon-Hull, after which he came South, and was an assistant in Godfrey & Cooke's and other pharmacies in London and Brighton. He began to travel in the 'forties, and first travelled for Solomon Maw in 1851, taking the journey in Ireland, Scotland, and the North of England. This continued until 1856, when he took his first American journey for the House. Afterwards he was located in Manchester, representing not only Maw, but Hodgkinsons, Stead & Tonge, and Letchford & Co., until 1861, when Mr. Charles Maw (who had just succeeded to the business on the death of his father) asked him to come to London to manage No. 11 Aldersgate Street, which he did, ultimately becoming a partner. Mr. Thompson was an ex-President of the P.A.T.A., and while connected with the drug-trade was one of its best-known men, being as noted for his energy as he was for all-round ability and familiarity with the leaders of pharmacy and pharmaceutical businesses. After his retirement he lived at Bognor, where he died, a nonagenarian, in the spring of the year. It is a peculiar coincidence that when Mr. Thomas Lynch (a former colleague of Mr. Thompson's) died, the fact was unnotified until particulars of his will became available.

Topliss.—On September 3, suddenly, Mr. Walter George Topliss, chemist and druggist, at 2 Emlyn Villas, Stamford Brook, London, W., aged fifty-nine. At an inquest held on Tuesday, September 7, Mrs. Topliss stated that her husband had lately been in business at Leyton, and came home on Thursdays and Sundays. On Thursday, September 2, he came home apparently well, and they went to Hampton Court together. While waiting at the New Station, Richmond, together, he left her for a moment, and on returning he was suddenly taken ill. A doctor was called, and he ordered Mr. Topliss to be removed to the local hospital, where he died at three o'clock on the Friday morning, never regaining consciousness. Dr. Duncan deposed that death was due to apoplexy, and the jury returned a verdict accordingly.

Killed in Action.

Baker.—Killed in action in France, Private Baker, 1st Battalion East Kent Regiment (The Buffs), formerly employed by Alderman D. T. Evans, J.P., chemist and druggist, High Street, Margate.

Crockford.—Killed in action at the Dardanelles, Mr. C. Crockford, Australian Expeditionary Force. Mr. Crockford was formerly employed by Kemp, Campbell & Co., Ltd., wholesale and manufacturing chemists, 22 Young Street, Sydney. [On receipt of the news of the death of Mr. Crockford, four other employés of Kemp, Campbell & Co., Ltd., volunteered for service, two for the Army Medical Corps and two for the infantry. On leaving, each was presented by the company and employés with a military wrist-watch.]

Frost.—Killed in action at the Dardanelles, Sergeant John Frost, 8th Battalion Lancashire Fusiliers, aged twenty-five. Sergeant Frost was employed, previous to the outbreak of war, with J. Woolley, Sons & Co., Ltd., Knowsley Street, Manchester. He volunteered to carry an urgent message during an action, and was making the return journey when he was shot through the heart. His brother, Lance-Corporal George Frost, 11th Battalion Manchester Regiment, was drowned at Gallipoli a few days before while gallantly endeavouring to save a comrade who was in danger of losing his life (*C. & D.*, September 4, p. 45).

Johnson.—Killed in action at the Dardanelles, Private Charles James Johnson, 1/5th Battalion Manchester Regiment, aged twenty. Mr. Johnson was formerly with Boots Cash Chemists, Ltd., Wigan.

Keeping.—Killed in action at the Dardanelles, on August 17, Privates George and Horace Keeping, R.A.M.C. The deceased soldiers were brothers, and, strangely enough, were almost inseparable. They entered the employment of Arthur H. Cox & Co., Ltd., Brighton, together, fourteen years ago: they played full-back together for Cox's Athletic Football Club: they were the opening batsmen for Cox's Cricket Club: they joined the R.A.M.C. together in August 1914, trained together, and left for the Dardanelles together. They were killed together almost on the same spot. They had only been at the Dardanelles a few weeks.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mr. Thomas Edmondson, chemist and druggist, Penrith, has been co-opted as a member of the Urban Council in the room of a member who has resigned.

Mr George Bennett, chemist and druggist, Market Place and Longshut Lane West, Stockport, has been co-opted to fill a casual vacancy on the Stockport Town Council.

Mr. I. W. Marcuson, 26 Stirling Road, Edgbaston, Birmingham (Russian), has been granted a certificate of naturalisation.

Mr. W. Arnold Baiss, of Baiss Bros. & Stevenson, Ltd., informs us that his Christian name is William—not Walter—he having been named after his grandfather, the founder of the firm.

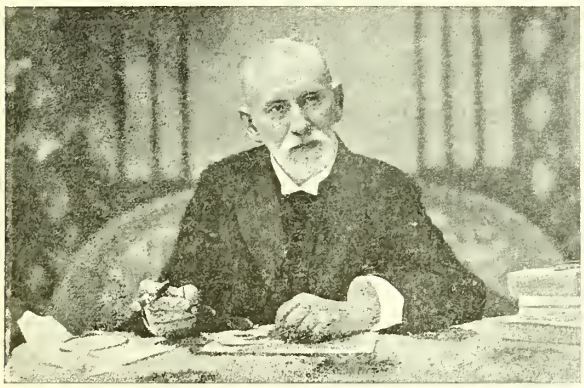
Miss L. E. Raine, eldest daughter of Mr. E. B. Raine, chemist and druggist, Sowerby, 43 Northumberland Avenue, South Wanstead, Essex, has passed the Cambridge Local Senior examination, held at St. Angela's High School, Forest Gate, in July last, with second-class honours.

Miss Edith P. Hampton, daughter of Mr. George Hampton, chemist and druggist, Five Ways, 142 Oldbury Road, West Smethwick, Birmingham, has passed the Junior Oxford Local examination with second-class honours and distinction in religious knowledge. Miss Hampton is to enter pharmacy as a pupil of her father.

Mrs. J. Wellesley Douglas, wife of Mr. J. Wellesley Douglas, chemist and druggist, 164 Lambeth Walk, London, S.E., was the solo vocalist at St. Andrew's Presbyterian Church, Norwood, on Sunday morning, September 5, and sang "The Voice of the Father" (Cowen). Mr. Douglas has been elected a Vice-President of the North Lambeth Liberal Association.

Mr. Ernest Cresswell (Cresswell Bros., sponge-merchants, Red Lion Square, London, W.C.), while in Paris last April, met with an accident the sequelæ of which have necessitated a surgical operation, from which, we are pleased to hear, Mr. Cresswell has made a good recovery. He is now convalescent, and is at Niton, Isle of Wight, but will be returning to business soon, he hopes, with renewed vigour.

Mr. J. Edwin Ellis, who has been appointed manager and one of the directors of Daisy, Ltd., Leeds, is the eldest son of the late Mr. J. R. Ellis, founder of the business. He was educated at Epsworth College, Rhyl, and served his pharmaceutical apprenticeship with Mr. J. R. Bentley, of the "Old Bell's Pharmacy," Leeds. After studying at the London College of Pharmacy he passed the Minor examination in September last. Mr. Ellis has inherited his father's native perspicacity and business acumen, so that his co-directors have every confidence in the continued success of the business.



THE above engraving is from the last photograph taken of the late Professor Paul Ehrlich. It is a characteristic likeness by Hänse Herrmann, photographers, of Berlin.

THE LATE WILLIAM COLMAN, chemist and druggist, 322 Ashton New Road, Bradford, Manchester, whose death was reported last week, was a native of Manchester. He served his apprenticeship with the late Mr. Trevelow, Ph.C., Brook Street, Chorlton-on-Medlock, and passed the Minor examination in Edinburgh in 1888. He then sailed to Australia as assistant ship's surgeon, arriving there after a most eventful voyage, the ship being long overdue. Two years were spent in Australia, during which time Mr. Colman turned his hand to many things, from prospecting to lumber-driving and pearl-fishing. On returning to England he undertook surgical and medical work as an Army surgeon at Aldershot, but drifted back to Manchester, where he became dispenser and extractor to Salford Hospital. Ultimately he took over the old-established business of the late T. Lambert at 322 Ashton New Road, Bradford, where his previous experience of medical and surgical work stood him in good stead. He gave unceasingly and gratuitously of his skill, becoming famous among the colliers' families, and endearing himself to all. Latterly he had not been in good health, and after an operation in February, from which he seemed to recover, he caught cold, which developed seriously. Another operation was performed at the Royal Infirmary, but Mr. Colman passed away on August 28. His death is deeply felt in the district in which he passed the latter years of his life. He is survived by a widow and four children.

Wills.

AN INVENTORY of the estate of the late John Graham Macfarlane, chemical-manufacturer, late of Beltrees, Paisley, has been lodged with the Sheriff-Clerk, and shows estate valued at 14,970*l.*

MR. WILLIAM MILLAR, Killarney Wood, Bray, co Wicklow, chairman and managing director of A. Millar & Co., Ltd., Dublin, who died on June 10, left personal estate in the United Kingdom valued at 39,917*l.* 16*s.* 2*d.*, of which 3,602*l.* is in England.

MR. WILLIAM JOHN DUNWOODY, Ph.C., Ballybeg, co. Monaghan, who died on June 1, left personal estate in the United Kingdom valued at 3,636*l.* 15*s.* 2*d.*, of which 1,559*l.* 4*s.* is in England. Probate of his deed of settlement has been granted to Mr. Robt. Wm. McKnight, Ph.C., The Apothecaries' Hall, Carlisle Circus, Belfast. The testator left all of his estate to his wife, Mrs. Mary Kate Dunwoody.

MR. ALFRED BILBROUGH, chemist and druggist, 15 Beech Grove Terrace, Leeds, formerly of the firm of J. J. Bilbrough & Sons, who died on June 23, aged seventy-three, left estate of the gross value of 149,015*l.* 8*s.* 3*d.*, with net personalty 143,321*l.* 8*s.* 4*d.* Probate of his will has been granted to his cousin, Mr. W. N. Bilbrough, Adderbury Grange, Banbury; Mr. J. E. Town, Monkbridge Road, Leeds; and Mr. J. W. Bointon, solicitor, Leeds. (See *C. & D.*, July 10, p. 41.)

LYNCHGATE H.W. BOTTLES are obtainable from May, Roberts & Co., Ltd., London and Dublin.

WAR ADVERTISING FOR CHEMISTS is designed and executed by F. A. Degen, F.I.S.A.C., who knows what sells goods.

Trade Notes.

DRUG-MERCHANTS.—Welch & Horner, drug and essential-oil importers, 9 and 10 Jewry Street, London, E.C., enumerate in their advertisement some of the drugs which they are in a position to offer at advantageous terms.

TOOTH-BRUSHES.—S. Maw, Son & Sons, 7-12 Aldersgate Street, London, E.C., have a pleasantly reminiscent chat on tooth-brushes on Maw's page. The other items mentioned are also of special interest to those who deal in high-class toilet-articles.

N. C. R.—The National Cash Register Co., Ltd., 225 Tottenham Court Road, London, W., offer to send a booklet, entitled "Your Profits," to those who fill up the coupon attached to the company's advertisement which is given in this number.

ERASMIC SOAP is in demand as a gift for soldiers, the refreshing properties of the soap being well recognised. There is, however, at the present time a difficulty in transport of supplies, which is a reason why orders should be anticipated as much as possible.

ADVERTISING-MATTER.—Cartwright & Rattray, Ltd., Caxton Press, Hyde, offer their services to those who desire to take up advertising schemes. The company undertake the whole proposition from the advertising-matter to the publication of the announcements.

NEWFOUNDLAND COD-LIVER OIL.—The advertisement of Job Bros., Tower Buildings, Liverpool, offering Newfoundland cod-liver oil, is of special interest in view of the high prices of Norwegian oil. The firm offer to send samples so that the trade can judge the quality.

THERMOGENE WINDOW-DISPLAYS.—The Thermogene Co., Ltd., Hayward's Heath, offer to send any chemist full particulars of a bonus window-display offer, which they have arranged in view of the opening of the thermogene season. See advertisement in this issue.

BOVRIL BONUS.—Bovril, Ltd., 152-166 Old Street, London, E.C., are offering a 5-per-cent. cash bonus on the gross value of all orders for bovril received between September 13 and October 30. The announcement in this issue should be referred to in this connection.

CANADA BALSAM.—The Mallinckrodt Chemical-works, Ltd., of Montreal, have appointed Burkett, Sharp & Co., 21 Mincing Lane, London, E.C., as their selling-agents in the United Kingdom. The company are direct collectors of Canada balsam, and further particulars in regard to the method of collection will be given shortly.

PRICHARD & CONSTANCE (WHOLESALE), LTD., 469 Holloway Road, London, N., intimate that, owing to reorganisation of districts, Mr. J. R. Steadman, who has represented them in the North of England and Scotland, where he is well known, has been withdrawn. The company desire to record their appreciation of Mr. Steadman's services.

THE "RUBNOT" WASHING-TABLET is manufactured by Lewis Batley & Co., manufacturing chemists, Thongsbridge, Huddersfield, and 22 Grand Arcade, Leeds. The tablet is azure blue in colour, measures 3 in. by 1 in. by ½ in., and is used to wash clothes without rubbing, a single tablet being added with 1 lb. of soap to the water in which the clothes are boiled. Messrs. Batley inform us that "Rubnot" has been on the market nearly two years, and they have received many flattering testimonies from people as to its utility. One retailer is selling three gross per week. Messrs. Batley will send any chemist a sample gross, carriage paid, for an 8*s.* postal order.

THE MONTHLY BUDGET is the title of a four-page folder issued each month by Mr. J. S. Snell, chemist and druggist, Church and Accrington. The first two pages are devoted to advertisements of Mr. Snell's specialities, such as phosphorus-and-quinine tablets, bismuth tablets, Pandora Boquet perfume, jaborandi hair-tonic, tussaline, corn-cure, etc. On page 3 is printed "Answers to Correspondents." "The inquiries are fictitious, of course, but there is no doubting the truth of the answers," is the sub-heading to this page. The last page bears a further advertisement regarding Mr. Snell's phosphorus-and-quinine tablets, and includes a coupon entitling the holder to a 7½*d.* box of the tablets at the special reduced price of 5½*d.*, if presented before a certain date.

RESHARPENING SAFETY-RAZOR BLADES.—As mentioned in our last issue, Mr. William P. Kelland, 36 Camomile Street, London, E.C., has gone into the razor-sharpening business thoroughly. He believes that there are several million blades in the country that only require resharpening to be brought into use again, and he is now extending his premises and fitting up special machinery to deal with the business. His idea is to afford chemists and others an

opportunity of acting as collecting-agents for a central sharpening depôt, and he offers terms which will make it worth their while to secure this business. Briefly, the scheme is to receive razor-blades, which must be sent post-free, to grind and finish them, returning them, post-free, the same day. As the prices charged are low, it was essential to start the scheme on a cash-with-order basis, and (to save the expense of remitting small amounts) Mr. Kelland suggests that retailers might remit 10s. with initial order, and the work will be done against this till the money is exhausted, when the customer will be advised. Mr. Kelland is also prepared, under certain conditions, to undertake the work on a monthly-account basis. The machinery which has been installed grinds, hones, and sets the edges of the blades. Mr. Kelland informed our representative that blades are coming in at the rate of 1,000 or more per day. He will be glad to answer inquiries as to terms, etc., from retailers, and will provide suitable showcards for those who take up the business.

MARIENBAD PULVERETTES were introduced by Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., being prepared according to formula introduced by the Abbot of Tepl as an adjunct to the Marienbad Spa treatment, viz.:

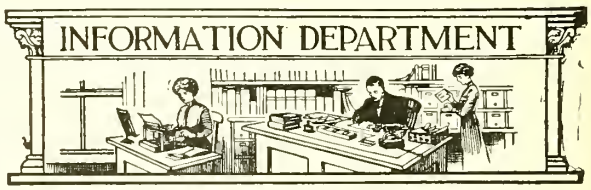
Ext. cascaræ sagradæ	...	0.01 gram (gr. $\frac{1}{6}$)
Ext. belladonnæ ...	...	0.0024 gram (gr. $\frac{1}{30}$)
Ext. aloes aq ios.	...	0.025 gram (gr. $\frac{1}{2}$)
Pulv. rhei	...	0.025 gram (gr. $\frac{1}{3}$)
Podophylli res. ...	...	0.005 gram (gr. $\frac{1}{12}$)

Dose: One or two, three times daily.

Messrs. Oppenheimer for many years made the pulverettes for Mr. Rothziegel, 5 Rudolfs Platz, Vienna, for sale in Austria. They supply the pulverettes in bottles of 100, with a four-page folder in regard to their properties, the front page of this bearing a coloured picture of Marienbad Spa.

CAMWAL, LTD., were the first to use the phrase "Like the British Fleet, first in all Waters." They employed it fifteen years ago, the showcard which is here illustrated having been registered as far back as October 1900, and it was printed and issued to the trade in the same year. The card measures 12 in. by 9 in., and is printed in monochrome so as to resemble a photograph. The phrase is particularly apt in the case of manufacturers of aërated waters, and it is receiving special emphasis at the present time, when the British Fleet has, for the first time in the present generation, undoubtedly proved that it is the first in all waters. The phrase was also happily applied by Marshall Bros., pharmacists, Moseley, to Wright's coal-tar soap in their prize-window, which contained, *inter alia*, a representation of a British Fleet in harbour (see *C. & D.*, July 31, p. 184). In this case it was the detergent qualities of the soap in all waters which Marshall Bros. regarded as pre-eminent. In view of the fact that Camwal's design, including the phrase, is registered, this note has a timely significance.

CHRISTMAS CARDS.—We are reminded by the receipt of a collection of Christmas cards and calendars from Raphael Tuck & Sons, Ltd., Raphael House, Moorfields, London, E.C., that the year is waning, and that preparations must be made for Christmas and New Year trade. Despite the difficulties of carrying out artistic work in war-time, the House of Tuck has produced for the coming season 3,000 new designs in Christmas cards and 250 in calendars. This is an achievement rendered all the more striking by the fact that these have all been produced in this country, thus demonstrating conclusively that British industry can turn out work of the highest class and of artistic merit unequalled by any Continental printers. The Christmas cards embody many new ideas, and in regard to the wording on the cards this has toned down to be appropriate to the anxious times through which the nation is passing. One novelty which we notice is the employment of the silk-binding ribbon as a medium for a greeting. The "Auto Stationery" series, which contains 350 new designs in cards, the cards being intended to carry the autograph of the sender, includes a number of remarkable designs. Some of these by Japanese artists are particularly noticeable. The "Patriotic" series is one which will doubtless be very popular this year, while the "Flemish Tapestry" series is at once topical and beautiful. The number of artists who have devoted their talents to the production of these cards includes many well known, and, although it is invidious to particularise, we must call attention to the beautiful designs by Annie French which appear on many of the cards. In regard to the appropriateness of the inscriptions on the cards, examples that may be quoted are "We'll Meet the Future Full of Faith and Hope," and "To Wish you a Season of Peace and Gladness and a Happy New Year to Follow." The cards are sent out in envelopes or in boxes with loose envelopes. The calendars include the daily tear-off variety, the illustrations being contributed by many artists—John H. Bacon, R.A., Harold Copping, Arthur Dixon, N. Drummond, Henry Ryland, etc. As in the Christmas cards, the highest endeavours have been made to attain perfection in design and printing, and most people will agree that that point has been successfully reached. There are also new designs in post-cards and children's gift-books, one series of the latter having on the cover the striking novelty of the figure of an animal embossed in fabric. The question of the stock to be carried this year may cause some hesitation among dealers, but Messrs. Tuck inform us that all indications seem to show that the exchange of appropriate Christmas missives will reach unusual proportions this year. A catalogue is published giving particulars of the new productions, and a copy should be obtained as soon as possible by those of our readers who intend carrying stock of these goods.



Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).
Telephone Number: 3617 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

215/68. "Ninhydrin" chemical equivalent.
215/65. "Mater" nipple-shield.
215/65. Allthorp's gout pills.
215/65. Crosthwaite's Occult lozenges.
206/25. Machines for making pleated bottle-caps: makers or suppliers.
216/35, 217/72. "N.C.I." powder.
217/6. Young's balsamic oils.
217/71. Iodonucleoid: makers or suppliers.
217/20. Uriseptic pills
218/49. Kerkoff's (Perfumers of Paris): address of agents.
219/29. Address of firms who re-silver mirrors for flash-lamps.
221/20. Pine-sulphur and Nauheim bath-salts.
219/33. Joss sticks: importers.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

"Antexema," 204/5
Antimony boxes (importers'), 209/53
Chip boxes (substitute), 200/46
Chloro-Naptholeum disinfectant, 198/24
"Enzymol," 202/10
Eucalyptus pomade, "R.M.Co. London, S.E.," 210/68
"Kur Mange," 204/4
Label printers, 202/42
Lead acetate, 192/35
Leather's improved ozonator, 200/4
"Orlex," 209/52
"Panzari" pot-pourri, 186/52
Paper ice-cream containers, 151/10
"Tocanalgine," 161/63
Toilet-cream manufacturers for the trade, 192/37
"Tonol," 104/62
"Vixol" inhaler, 199/71
"Walmsley" cleaning-pad, 172/28
Water glass, 206/51
Zinc carbonate, 143/65
Zinc oxide, 166/15

See also "War Wants Exchange" in the Coloured Supplement.

Observations and Reflections.

By Xrayser II.

The Withdrawal of the Proprietary Mixtures from the Middlesex Formulary, and the announcement that the other mixtures are to be freshly prepared, modify one's judgment of this somewhat unfortunately engineered publication. I do not share the opinion of those who hold that all stock mixtures are necessarily to be condemned, but some of these certainly would not be free from censure in that character. After the explanations that have been made the Formulary may be welcomed for the relief it affords the overworked pharmacist. Every little saving of trouble counts for something.

To Exclude German Trade or to attempt to exclude it, as Sir William Ramsay thinks we ought in future to do, would, in the famous words of Fouché, be more than a crime, it would be a blunder. Professor Herford, of Manchester, tells us that the sentiment of nationality, carried to an extreme, is partly responsible for this war, and it is certain that to foster national hatred and distrust is the surest way to bring about future wars even more disastrous. The idea that any nation's true interests can be permanently advanced by injury to other nations is a relic of barbarism, and to suppose that one can thrive independently of another is as false, in a degree, of nations as of individuals. It is not for us who have been for centuries in the forefront of civilisation to put back the clock of time.

The Paris Society of Pharmacy's Resolution to the effect that no denomination given to a defined product can by itself form a private trade-mark is not due primarily to the fact that the greater number of such trade-marks are the property of Germans, for it does but reaffirm an old decision to which legal effect has not been given. The new resolution includes French as well as foreign products, which is as it should be if it is adopted at all. I confess I do not see why, in principle, there should not be private property in the title of a medicament as well as in any other title. Nevertheless, I am in some measure in sympathy with the resolution. If acted upon it would no doubt affect seriously the profit derivable from research, but it is a question whether personal profit ought not in the public interest to be more restricted than it is. Some of the most useful discoveries the world has seen brought their authors no profit at all, and were not due to any hope of it. It would be unreasonable to desire that this should be the rule; the labourer is worthy of his hire; but it may be doubted whether the greatest discoveries of science, any more than the greatest works of art, are made by men whose chief object is personal gain.

Dr. Waldo's Remarks on prescriptions, proprietaries, the drug-habit, and things in general are interesting in themselves, but they would have been more appropriate to a lecture from Professor Teufelsdröckh, of Weissnichtwo, than they are to a summing-up in a case of death from natural causes. The position of coroner seems to aggravate that itch for enlarging on any subject which unofficial persons relieve by letters to the papers, though the factitious importance which office gives to anything a coroner says ought to make him the more careful not to be betrayed into reflections irrelevant to the case at issue. Dr. Waldo's opinions, including his "four alternatives" (by which, I suppose, he means four courses, since in the nature of things there could not be more than one alternative), should have been confined to his report; they are out of place in an address to a jury, where they could have no effect but to create prejudice. Some of his remarks were distinctly unjust.

The Laudanum Question is one for which the Pharmaceutical Society is not responsible, and to say that the Society is assisting the sale of the older preparation is only true in a modified sense; not to condemn a practice does not amount to encouraging it. There are very good reasons why it should not be condemned for the present, at any rate. That there should be two laudanums of different strengths is regrettable, and may possibly cause accidents, but at once to have forced the new laudanum on the public would have been to run a still greater danger of accident. This is a matter in which the experience of a working pharmacist is worth more than the opinions of all the coroners in the country. No doubt the placing of laudanum in Part 1 of the Schedule will to some extent check the abuse of the drug, but to increase its strength with this object was a roundabout way of attaining it, and the inconveniences thus occasioned are chargeable on the Medical Council alone. It may be necessary to have one standard for medical and commercial purposes alike, but it ought not to be altered in this fashion by men who are familiar with one side of the question only.

Charles Wesley's Query,

"Are there not in the labourer's day
Twelve hours in which he safely may
His calling's work pursue?"

inappropriate as it may seem in a hymn, is extremely pertinent in a pharmacy. Unfortunately, the chemist is not entirely at liberty to fix his own working hours. He is expected to be in attendance for the dispensing of prescriptions at any time when the doctor may choose to write or the patient to bring them, and being emphatically the under dog of the medical profession, he has to submit. No doubt he is himself partly to blame; still, his position is really a difficult one, as the action of those doctors shows who are making the early-closing movement an excuse for robbing us of our Insurance work—an excuse as insincere as their aim is ungenerous. There is no more real necessity for a chemist than for a doctor to be always on his own premises; emergency dispensing is as rare as emergency prescribing, or more so, and it can as easily be arranged for on a short-hour system. Dispensary workers have much shorter hours than we, and doctors who do their own dispensing keep their patients a good while longer waiting for medicine than they expect us to do.

The Hardest Worker is not necessarily the man who works longest, nor he who works hardest while he is at it. Work is hard in proportion to the continued expenditure of vital force which it demands, and judged by this criterion ours is comparatively light. We work quite hard enough, but we do not habitually work to the point of exhaustion. The fact that as a rule we are rather long-lived shows that we work less hard than others whose work wears them out at a much earlier age. In health and wealth alike ours is a middle course; absolute failure in either is comparatively rare with us, but we are neither very robust nor very well off. The fluctuating and discontinuous nature of our work, its variety, its interest, the intercourse it necessitates with all sorts of people, all tend to relieve the strain of business, and are all in some measure recuperative; the very length of our hours is not an unmixed evil, since it distributes the strain. Upon the whole I fear that we can neither claim the merit nor hug the grievance of being the hardest workers in the world—unless we have an abnormal amount of Insurance work to do.

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Editorial Articles.

Overseas Trade in August.

THE Board of Trade Returns for August show that the imports amounted to 69,495,695*l.*, an increase of 27,153,986*l.* compared with August 1914, while in August 1913 the imports were valued at 55,975,704*l.* The value of exports during August was 39,762,604*l.*, against 28,631,104*l.* in 1914 and 52,261,228*l.* in 1913. This total is made up as follows:

	£	Increase on August 1914 £
British Exports	32,438,855	8,227,584
Re exports	7,323,749	2,903,916
	39,762,604	11,131,500

Compared with August 1913 there was a decrease of 12,498,624*l.* For the eight months ended August, imports reached 573,737,043*l.*, an increase of 95,178,498*l.* over the value for the corresponding period of last year, and exports amounted to 318,838,813*l.*, or a decrease of 76,757,614*l.* The figures do not include the values of imports which were the property of allied Governments, nor those of goods exported from British Government stores, or which were the property of the Government, and were shipped on Government vessels.

The features of the imports last month were an increase in food-products by 11,369,127*l.* on the values for August 1914; dutiable goods like tea, sugar, and tobacco being imported in larger quantities, probably in view of anticipating increased duties. Raw materials were 6,223,848*l.* more, the total being 20,156,738*l.*; wood and timber showed an increase of 2,041,851*l.*; oil-seeds and the like went up by 936,491*l.* to 3,709,054*l.*, and on the whole the quantities are well maintained. Big drops in tallow, kauri gum, and turpentine are recorded. Petroleum imports rose from thirty-eight to forty-eight million gallons, including motor-spirit, which rose from thirteen to seventeen million gallons, and fuel oil, which declined from practically six million to 2½ million gallons. Oil-seeds like castor, linseed, rape, and soya, show an all-round decline, as do nuts and kernels "for expressing oil therefrom," which fell from 17,113 tons to 14,778 tons. Acacia gums rose from 7,031 cwt. to 18,610 cwt. As regards manufactured articles, there was an increase of 9,472,688*l.*, spread over the whole schedule. The chemical and drug imports were 859,175*l.* more, the total value being 1,557,603*l.*, the increased quantities applying to the bulk of the scheduled items. Among the largest increases were acetic acid, 2,777 cwt. more than August 1914; glycerin, 7,815 cwt.; soda compounds, 20,000 cwt.; miscellaneous chemicals, 255,035*l.*; and unenumerated drugs and medicines, 84,892*l.* (total value, 161,518*l.*). Quinine imports increased by 204,364 oz. to 339,500 oz., and tanning-substances, with the exception of valonia and myrabolans, were received in larger quantities. Products which declined include brimstone (66,894 cwt.), calcium carbide (37,735 cwt.), boron compounds (67,822 cwt.), and tartaric acid (409 cwt.).

On the export side of the account many plus signs are a welcome change, particularly those applying to exports

of manufactured goods, which rose by 5,363,960*l.*, but comparison is, of course, with August 1914, when the effect of the declaration of war was very pronounced. The month's exports of manufactures were 24,742,250*l.*, which cannot be considered bad for war-time trading. The value of manufactures exported in August 1914 was under twenty millions, compared with thirty-five millions in August 1913. Of raw materials we exported 4,436,264*l.* worth, or 1,562,567*l.* more, but more than three-fourths of the total was coal and the like, while 345,903*l.* worth of oil-seeds, fats, and the like were shipped abroad, this being 180,000*l.* more than in August 1914 and slightly more than in August 1913. We note that during the eight months of this year the amounts exported have been as follows :

Grease, tallow, and animal fat	446,326 cwt.
Coconut and palm oils	115,304 ,,
Seed-oils	67,888 tons

It is interesting to know that the Netherlands imports of seed-oils during the period amounted to 35,538 tons, compared with 1,315 tons in the eight months of 1914, when Germany, Austria-Hungary, and Belgium took 7,515 tons. Thus the Netherlands has got 1,049,549*l.* worth, compared with 34,261*l.* worth last year. All this is exported under guarantee that the oils do not go out of Holland into an enemy country; but what does Holland do with so much oils? Our exports of chemicals, drugs, and allied products during the Augusts of the last three years have been as follows :

1913	1914	1915
£	£	£
1,548,181	935,893	1,641,904

Thus the values last month were 93,723*l.* more than in August 1913. The increased values are partly due to the rise in market values; nevertheless, quantities are more in many instances, some of the leading items being :

		August 1914	August 1915
Bleaching-powder	cwt.	24,134	45,831
Coal-products, not dyes ...	,,	52,928	174,364
Copper sulphate	tons	374	1,424
Glycerin	cwt.	2,631	22,915
Medicines	£	121,815	224,901
Ammon. muriate	cwt.	5,379	7,793
Soda compounds	,,	353,826	602,861
Quinine	oz.	100,392	161,221
Miscellaneous chemicals ...	£	162,913	320,975

We released some very large quantities of aniline oil, benzol and toluol, carbolic acid, tar oil, creosote, etc., which shows that we have ample supplies of raw materials for high explosives. The figures are of considerable interest to America, France, and Switzerland, some of them being as follows :

		August 1914	August 1915
Aniline oil and toluidene ...	lb.	8,711	516,480
Benzol and toluol	gals.	157,342	733,517
Carbolic acid	cwt.	4,373	12,793
Coal-tar, refined	gals.	119,815	195,745
Tar oil, creosote, etc. ...	gals.	1,434,261	1,934,457

The soda-compound figures display marked activity, all the items having increased, particularly soda ash, soda crystals, and sodium sulphate. Quicksilver is dealt out sparingly by the Government, the exports having been 151,650 lb. last month, against 115,650 lb. in August 1914. The imports last month were 133,344 lb., or 18,306 lb. less than the exports, which points to the fact that there must be a fair stock here, Italian imports having lately eased the situation. The above figures show that the chemical-industries trade continues good all round, in spite of the abnormal conditions under which it is carried on.

Chemists' Insurance Accounts.

The proposals of the Insurance Commissioners regarding the "emergency settlement" of chemists' accounts for 1914 have been in the hands of Insurance Committees throughout the country for some time, and, in many areas, the proposals have been submitted to the Pharmaceutical Committees and to individual chemists. It seems of interest, therefore, to review the situation. It will be recalled that the "emergency settlement" of the 1914 accounts was first suggested by Mr. Montagu to the deputation of the Pharmaceutical Society received by him on April 6 (*C. & D.*, April 10, p. 41). The idea underlying the scheme was to secure a more speedy settlement of the 1914 accounts than had been possible in the case of the accounts for 1913, the final settlement of which was on the point of completion at the date of the interview. Proceeding on the lines indicated by Mr. Montagu, the Commissioners have completed the necessary accountancy, and definite proposals for the settlement have, in most areas, been submitted to chemists. The percentage to be paid varies considerably, but, on the whole, chemists will come out much better than seemed likely at one time. The percentages offered in the following eighteen areas, selected at random, give some indication of the position :

Bath	99 per cent.	Rochdale ...	87.19 per cent.
Blackpool ...	100 ,, ,,	Sheffield ...	83.75 ,, ,,
Derby ...	77 ,, ,,	Southampton	100 ,, ,,
Herefordshire	100 ,, ,,	Sunderland...	100 ,, ,,
Hull	94.6 ,, ,,	West Bromwich ...	94.7 ,, ,,
Ipswich ...	100 ,, ,,	Wiltshire ...	100 ,, ,,
Leicestershire	100 ,, ,,	Yorkshire (East Riding) ...	100 ,, ,,
Liverpool ...	88.37 ,, ,,	Yorkshire (West Riding) ...	100 ,, ,,
Northamptonshire ...	100 ,, ,,		
Portsmouth...	90.55 ,, ,,		

It will be observed that the deficiencies are greatest in industrial areas, which, from past experience, was to be expected. In a number of cases chemists have accepted the settlement, while in some areas the Pharmaceutical Committee has been unable to recommend its constituents to accept the proposals, although there is no immediate or more profitable alternative. We consider that it would be wise for chemists to accept the settlement for the following reasons :

(*a*) In the event of deciding to await a settlement in the ordinary course, chemists have no definite means of arriving at the number of insured persons actually entitled to Medical Benefit in any area, and the decision of the Commissioners in regard to this might greatly affect the amount finally allowed, while chemists might ultimately receive less than they calculate upon.

(*b*) Interest on the sum now offered for settlement would probably be equal to any additional sum obtained by waiting for a settlement in the ordinary course.

(*c*) Improvement in the position now offered is doubtful.

(*d*) If a smaller sum than that now offered is found to be due, no refund will be asked.

(*e*) By accepting the settlement the way is cleared for the *ex gratia* payments in respect of the balances due to chemists for 1913 and 1914.

In many areas chemists have already received cheques in settlement of accounts for special war-scheduled drugs supplied to December 31, 1914, and it is anticipated that payments for these will be made in the remaining areas in the course of the next few weeks. These payments, of course, only apply to chemists who filled up the necessary forms (Med. 39 and Med. 39A). The payments constitute a first charge on the 60,000*l.* made available for the benefit of chemists from the Special Drug Fund, and when these are disposed of the Insurance authorities will be able to deal with the *ex gratia* payments in respect of deficits in discounted areas for 1913 and 1914. In many cases provisional figures for these payments are already in the hands of Insurance Committees. The

Commissioners will only make *ex gratia* grants for the chemists' accounts where the deficit is more than 15 per cent., and the amounts allowed will be such that the final settlement in those areas will reach 85 per cent. In those areas where the payments to chemists under the settlement for 1913 and the emergency settlement for 1914 exceed 85 per cent. no further payments will be made. It will be recalled that these *ex gratia* payments are intended solely to meet the abnormal conditions which have arisen in the first two years of the operation of Medical Benefit. As indicated by Mr. Montagu, it may be that as a result of the labours of the Departmental Committee on the Drug Tariff a system of payment to chemists will be devised which will be preferable to the existing system with its provision for discounting. The report of the Departmental Committee is likely to have an important bearing on the agreements between chemists and Insurance Committees for 1916, and we understand that it is likely to be published in the course of this month, so that it will be available before the conference in London next month. The mention of London reminds us that the accountancy for this area is not yet finished, so that those chemists and wholesale houses who are virtually financing Insurance Act dispensing at present must still exercise patience before they know the worst.

Prices and Progress.

The title is suggested by the receipt of an advance copy of the sixteenth edition of the "Dispensing and Retail Price-list recommended by the Council of the Liverpool Chemists' Association." It is the only British publication of the kind with a history behind it, and the facts that the list has reached sixteen editions in forty years, and is prepared by the oldest Chemists' Association in England, give it special interest. Our reason for putting "Progress" in juxtaposition with "Prices" is that pharmaceutical feelings and sentiments have broadened immensely during the life of this list. Its inception occurred at a time when it was considered to be a very bad thing for Chemists' Associations to have anything to do with trading matters, and even trade interests were looked at askance as something which might obliterate good pharmaceutical feeling if mentioned at Association meetings. It was in this spirit that the Liverpool Price-list originated in 1875. The Liverpool Chemists' Association was at that time one of a baker's dozen which existed in England and the oldest, having been founded in 1849. The late A. H. Mason, F.C.S. (at that time on the Evans staff), was President. The Association was doing good work of a practical and scientific nature, rivalling in some respects the work done by the evening meetings of the Pharmaceutical Society in Edinburgh and London, but that work did not cover all that local chemists desired, so on March 9, 1875, a meeting of these chemists was called to consider the desirability of forming a price-list and considering early closing. It was decided at this meeting to form a Registered Chemists' Association of Liverpool, ostensibly for the purpose of dealing with trading matters and trade interests. The officers and Committee of the new Association were: Mr. John Abraham, President; Mr. Alfred Redford, Vice-President; Mr. John Shaw, Treasurer; Mr. Wharrie, Hon. Secretary; Messrs. J. Agnew, H. S. Alpass, B. Dickins, J. Edisbury, W. J. Foulkes, J. Fletcher, C. Symes, A. E. Tanner, J. Woodcock, H. Blackbourn, T. Davies, R. J. Elliot, J. Fingland, J. Hocken, R. Parkinson, J. A. Turner, and W. T. Warhurst. This Committee began its work on the first price-list on July 1, 1875, and by December of that year we were able to report upon the new Association and its work in the following terms:

In the early years of the existence of the Liverpool Chemists' Association a code of laws was drawn up for its government. Membership was expected to be confined to chemists and druggists, and associateship to the apprentices of members, and eligibility to a seat on the Council of Management was restricted to chemists and druggists. In process of time the laws were revised and new ones added, the result of which was that gentlemen were admitted as members who were in nowise connected with the trade, but who simply took an interest in chemical and botanical science and desired to take advantage of the library and the facilities afforded for information generally in these and kindred departments. Under these circumstances discussion on purely trade matters, such as early closing, uniformity in prices, the Adulteration Act, poison regulations, advocacy of the exemption of all dispensing chemists from jury-service, etc., and the necessary expenditure of the funds of the Association in connection with these subjects, could not be satisfactorily carried out. It was therefore thought desirable to form an organisation which should be able to deal with purely trade interests, and consequently a meeting of the registered chemists and druggists keeping open shop according to the Pharmacy Act of 1868, resident in Liverpool and immediate neighbourhood, was called in March last, when it was resolved to form a Registered Chemists' Association of Liverpool, and at the same meeting a Committee was appointed to prepare a price-list and also to promote early closing. The retail and dispensing price-list is now published, and the Committee recommend that all chemists' shops be closed not later than nine o'clock (Saturdays excepted).

Present-day pharmacists may be inclined to smile at the idea of their predecessors in the "second city of the Empire" being so afraid of themselves and their scientific friends as to taboo trade interests at a scientific meeting—yet that feeling prevailed, and Liverpool was not alone in this respect. The only other price-arrangement comparable with it was one in Edinburgh. It had to do mainly with dispensing-charges, and while it lasted, until the advent of cutting, the arrangements for it were most rigidly excluded from meetings of the North British Branch, which, without the traditional feeling of trade interests not being pharmaceutical, would have arranged the thing. What a remarkable contrast to the present condition of things! Now "shop" in the trade sense is the first consideration of Chemists' Associations' meetings; indeed, it is the only consideration in many, and this progress (for we are bound to acknowledge that it is business progress) is due chiefly to prices. The Proprietary Articles Trade Association and Mr. Glyn-Jones's missionary work for fixed minimum prices started this change in the temper of such Associations about twenty years ago, and there can be little doubt that without this change the task of uniting the trade on Insurance dispensing prices would have been vastly more difficult than it has been. Happily the dual arrangement in Liverpool worked well for a time. The first Price-list was a book of thirty-two pages, and 300 copies of it were printed. It has grown bigger with successive editions, and its influence has been such that it is used very widely throughout the British Empire for stock purposes as well as a price-guide. The new edition is the same size as that of 1909—viz., 112 pages—and the Revision Committee (Messrs. J. Bain, D. H. Evans, C. A. Maries, C. Symes, Harold Wyatt, and E. Prebble, Hon. Secretary) had to do their work more than once, for (as stated in the Preface):

Just as the Committee had finished its labours of revision and was about to send to the press the result of its work, the incidence of the war on the Continent and consequent disturbance in business, with fluctuation of markets, caused prices to change to such an extent that the whole of the Price-list had to be again revised.

In now proceeding with publication, the Committee does not wish to imply that finality in price-changes has been reached, but simply wishes to accede to the imperative demands for copies of the list daily coming to hand.

The appearance of the 1914 British Pharmacopœia has caused numerous alterations in prices and nomenclature of various preparations, and the difficulty in obtaining supplies of certain synthetic remedies of Continental origin has resulted in these being included under such names as are of unrestricted use sanctioned by the Pharmacopœia or the British Pharmaceutical Codex.

The list is published at 1*s.* 6*d.*, by Suttley & Silverlock, Ltd., and it may be obtained from any wholesale house. We should think that Liverpool men must be proud of the fact that one of the members of the first Committee is also on the 1915 Price-list Committee—we mean Dr. Charles Symes—and there is still at least one other of the 1875 men with us—viz., Mr. A. E. Tanner. They and others can tell better than we can what became of the Registered Chemists' Association of Liverpool, and when the Price-list was transferred to the older Association; but we mention in closing that the two bodies dined together on January 18, 1876, and besides the two pharmacists we have mentioned, Mr. John J. Evans was present and replied to the toast of "The Town and Trade of Liverpool"; the hosts were the new Association.

A Science Sermon.

"In the shadow of a great catastrophe it has been brought home to us that the clash of interests—between men of business, men of science, philosophers, or artists—is superficial, and the slender thread of union which remained has grown into a solid bond."

Thus the President of the British Association in his address at Manchester on Tuesday evening, which he entitled "The Common Aims of Science and Humanity." We call it a science sermon rather than a discourse, because there were some of the elements of the sermon in it—*e.g.*, three heads and an application; and the President did not stick too closely to his text. And what of the preaching? Surely none other than Professor Arthur Schuster could have better demonstrated British broadmindedness than he as President of the British Association for the Advancement of Science in this year when the ruler of the land of his birth is at war with us and other European nations. Professor Schuster is the second of three brothers born at Frankfort-on-Main, and the sons of Mr. Francis J. Schuster, who was in business as a merchant and banker in this same Cannon Street in which we write. All three were educated in Frankfort primarily, and Professor Schuster subsequently studied at Owens College, Manchester, and the University of Heidelberg, specialising in mathematics and the correlative subjects astronomy and physics. He became Professor of Physics at the University of Manchester in 1888, and retained the chair until 1907, when he retired as Honorary Professor of Physics. He holds many academic distinctions in proof of his learning, and his value as a scientific worker is attested by the positions which he has held and still holds, secretaryship of the Royal Society being one of these. His elder brother, Mr. E. J. Schuster, is a barrister and an authority on German law; while the younger, Sir Felix Schuster, Bart., is one of the leading financiers of London. There may have been some thought of this triumvirate in his mind when Professor Schuster, in answer to the question, What is the fibre from which the bond referred to is twined? said:

Patriotism may express its outward manifestation, but its staple is the mental relationship which remains continuous and dominant even in normal times, when each of us may peacefully go to earn his living and enjoy the course of his intellectual life. Outwardly the community is divided into heterogeneous elements with mental attitudes cast in different moulds, and proceeding along separate roads by differing methods to different ideals. Yet as we eliminate the superficial, and regard only the deep-seated emotions which control our thoughts and actions, the differences vanish, and the unity of purpose and sentiment emerges more and more strongly. Mind and character, no doubt, group themselves into a number of types, but the cleavage runs across, and not along, the separating line of professions. Were it otherwise, the British Association could not perform one of its most important functions—a function not, indeed, originally contemplated, but resulting indirectly from the wise and democratic provisions in its constitution, which enabled it to adapt itself to the changing needs of the time.

Here Professor Schuster merged into the "firstly" of his sermon, which was a demonstration of what the British Association has done to benefit British industries by meeting in the centres of these industries and encouraging scientific thought and work in them. Among its accomplishments he mentioned the establishment of electric units and the foundation of the National Physical Laboratory. The most successful meetings of the Association have been in manufacturing centres. The Professor's "secondly" was about the qualities of intellect and temperament which are most needed in each pursuit to carry out the work successfully. This was largely an exposition of Henri Poincaré's observations on intellectual gifts, the Professor's conclusion being that:

The commercial man, the politician, and the artist must all possess the type of memory best suited to concentrate in the field of mental vision their own experiences as well as what they have learned from the experience of others; and, further, they must have the power of selecting out of a multitude of possible lines of action the one that leads to success.

This power Poincaré calls the inventive faculty, and Professor Schuster considers it a fallacy to say that special gifts are associated with different occupations, a dictum which it is hard to accept, but the Professor's exposition was convincing. One passage was conspicuous for the lack of the words British and German, which our readers should have no difficulty in placing where they should be. This was the passage:

So-called national characteristics are in many cases matters of education and training. . . . An efficient organisation requires a head that directs and a body that obeys; it works mainly through discipline, which is its most essential attribute. Every institution, every factory, every business establishment is a complicated organism, and no country ever came to prominence in any walk of life unless it possessed the ability to provide for the efficient working of such organisms. To say that a nation which has acquired and maintained an Empire, and which conducts a large trade in every part of the world, is deficient in organising power is therefore an absurdity. . . . The cry for organisation . . . resolves itself into a cry for increased discipline. . . . This discipline is not an inborn quality which belongs more to one nation than to another; it is acquired by education and training. In an emergency it is essential to success, but if it be made the guiding principle of a nation's activity, it carries dangers with it which are greater than the benefits conferred by the increased facility for advance in some directions.

The prophetic nature of science formed the third part of Professor Schuster's sermon. He declared that the object of science is to predict the future, for if we classify the different sections into which science may be divided, it may be said that their aim, in so far as it is not purely utilitarian, is always either historic or prophetic. "To the mathematician, history is only prophecy pursued in the negative direction." With such reflections or stimuli to reflection, he led up to the conclusion as to the function of science, which finds its noblest task in surrendering the richness of its

achievements to the use of humanity. In the course of this he said :

I must ask you to reflect whether the achievement of wealth and power, to the exclusion of higher aims, can lead to more than a superficial prosperity which passes away, because it carries the virus of its own doom within it. Do we not find in the worship of material success the seed of the pernicious ambition which has maddened a nation and plunged Europe into war? Is this contempt for all idealistic purposes not responsible for the mischievous doctrine that the power to possess confers the right to possess, and that possession is desirable in itself without regard to the use which is made of it? I must therefore insist that if we delight in enlisting the wealth accumulated in the earth, and all the power stored in the orbs of heaven, or in the orbits of atomic structure, it should not be because we place material wealth above intellectual enjoyment, but rather because we experience a double pleasure if the efforts of the mind contribute to the welfare of the nation. . . . The hunger for intellectual enjoyment is universal, and everybody should be given the opportunity and leisure of appeasing it. The duty to work, the right to live, and the leisure to think are the three prime necessities of our existence, and when one of them fails we only live an incomplete life.

. . . . . .

Happy were the times when it could be said with truth that the strife of politics counted as nothing before the silent display of the heavens. Mightier issues are at stake to-day: in the struggle which convulses the world all intellectual pursuits are vitally affected, and Science gladly gives all the power she wields to the service of the State. Sorrowfully she covers her face, because that power, accumulated through the peaceful efforts of the sons of all nations, was never meant for death and destruction: gladly she helps, because a war wantonly provoked threatens civilisation, and only through victory shall we achieve a peace in which once more Science can hold up her head, proud of her strength to preserve the intellectual freedom which is worth more than material prosperity, to defeat the spirit of evil that destroyed the sense of brotherhood among nations, and to spread the love of truth.

Our title is justified, so is the Professor's, for the common aims of science and humanity are expressed well in this "application."

"The Chemist and Druggist Diary, 1916."

In connection with the preparation of this annual publication of THE CHEMIST AND DRUGGIST, which we present free to everyone whose subscription is in force in December, two matters of interest to retailers and manufacturers and wholesalers are here dealt with :

(1) FORMULAS.—We propose to reserve space for formulas for known, admitted, and approved remedies for sale unstamped by exempted persons. The numbers appropriated to these will be sequential with those for kindred preparations in "Pharmaceutical Formulas," Edition IX. The formulas should be sent to the Editor as soon as possible.

(2) MANUFACTURERS AND WHOLESALERS should take the best advantage they can of advertising space in *The Chemist and Druggist Diary* for 1916. We want these pages to be a revelation of the resources of British, Allied, and neutral manufacturers and first-hand suppliers. This is especially important for putting buyers in direct touch with sellers. To assist this business arrangement, the *Diary* will contain a tabulated analysis of the articles mentioned in the *Diary* advertisements, this constituting a Buyers' Guide which will be both valuable and unique.

The *Diary* circulation is the most complete and comprehensive of its kind, and full particulars with regard to advertising space can be obtained from the Publisher, 42 Cannon Street, London, E.C.

Laudanum.

"THE LANCET," September 4, contains an editorial article on the Waldo and Privy Council correspondence. In the course of it our contemporary remarks, regarding the Pharmaceutical Council's motion in reference to the B.P. 1898 and B.P. 1914 preparations, that

"This recommendation may be regarded as an attempt to assist the sale of a preparation of opium that does not comply with the requirements of the new edition of the British Pharmacopœia, and the Lord President of the Privy Council raises the question whether the Pharmaceutical Society is acting properly in this matter."

We protest against this statement, and "The Lancet" ought to have known better than to make it. Our contemporary also comments at some length upon the meaning of the synonyms introduced in the British Pharmacopœia, stating that

"When a synonym is rendered official by inclusion in the Pharmacopœia, the substance supplied must always conform with the pharmacopœial standard. For example, if the name 'laudanum' were not included in the Pharmacopœia, preparations of different strengths might be supplied when this article was asked for by a member of the public. The publication of the Pharmacopœia without this name would leave the sale of laudanum in a chaotic condition."

These remarks are somewhat unfortunate in view of the history of pharmacopœial synonyms. The first two editions of the British Pharmacopœia contain no reference to laudanum; that description was first introduced into the 1885 Pharmacopœia as a synonym for tincture of opium made from 1½ oz. of powdered opium macerated in one pint of proof spirit, the product containing 3.3 grains of morphine per fluid ounce, or 0.75 per cent. of morphine. It was continued in the 1898 Pharmacopœia for a preparation of approximately the same strength—namely, 0.70 to 0.80 gram of morphine in 100 c.c.; and it is continued in the 1914 Pharmacopœia for a tincture of opium containing 1 gram of morphine in 100 c.c. Thus the General Medical Council is responsible for the very thing that "The Lancet" objects to, providing preparations of different strengths under the same name, besides being the means of supplying the public with an article much stronger than what the present generation has been accustomed to.

Don'ts for Window-dressers.

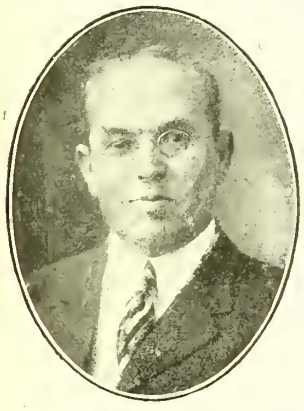
By H. C. Meyrick, L.P.S.I.

1. Don't omit to change a window-show frequently. It pays to do so.
2. Don't *always* copy other chemists when dressing windows.
3. Don't neglect to price articles in plain figures.
4. Don't prominently display unseasonable goods.
5. Don't hide mirrors; they look well and double the exhibits by reflection.
6. Don't fear brightness at all times.
7. Don't paste common paper handbills or notices on an expensive plate-glass window; they convey an impression of cheapness and look anything but ornamental.
8. Don't fail to keep the window-panes well polished; dirty windows exclude trade as well as light.
9. Don't allow deposition of dew or vapour on the windows: prevent this by equalising the temperature.
10. Don't neglect to classify the articles exhibited.
11. Don't fail to have an eye-catcher.
12. Don't give preference to a patent, no matter how tempted, when you have *your own* similar proprietary to show.
13. Don't display a jumble-o'-all-sorts, like a curiosity shop.
14. Don't advertise in vulgar style; be emphatic, but polite.
15. Don't daub price-cards. Shun stencilled prints; they look sloppy.
16. Don't dread criticism from competitors; they may have corns.
17. Don't forget to duplicate the window-show on or near the serving-counter; it saves the window-display and is most convenient when selling.
18. Don't be tempted to hire your windows to firms who run every line, thereby cutting out your own specialities.
19. Don't confine your displays to expensive articles; the public will want cheap lines too.
20. Don't hide show vases or carboys: respect your ancient profession, and remember you are the modern apothecary.

PATENT MEDICINES.—Pending legislation on the lines of the Select Committee's report, "Truth" suggests that an all-round duty of 3*d*. or even 6*d*. in the shilling on dutiable medicines would hurt nobody.

American Pharmaceutical Association.

THE most interesting feature of the sixty-third annual meeting of this Association, which was held in San Francisco, Cal., during the week of August 9, was the announcement by the President (Mr. Caswell A. Mayo) that Mr. Samuel W. Fairchild, of Fairchild Bros. & Foster, New York, a former President of the New York College of Pharmacy, had authorised him to announce the establishment of a scholarship of $300.00 annually to be provided by Mr. Fairchild. The award of the scholarship will be entrusted to a commission composed of the Presidents of the American Pharmaceutical Association, the American Conference of Pharmaceutical Faculties, the National Association of Boards of Pharmacy, and the Editor of the "Journal of the American Pharmaceutical Association." The details of the plan for the award of this scholarship are to be left to the members of the Commission. It is understood that the scholarship is to be awarded to some student who has not yet matriculated, as the knowledge of the existence of this scholarship may stimulate young men to take up a collegiate course of study in pharmacy, who, lacking this incentive, might not otherwise do so. In making the announcement of the scholarship, Mr. Mayo said that Mr. Fairchild had been considering such a step for several years, and would have established it earlier but for the difficulties entailed in making the award. It was believed that by placing the award in the hands of the officials named a widespread interest in it would be ensured. The establishment of this scholarship in the United States parallels the Fairchild Scholarship in Great Britain and Ireland, which has been awarded by Fairchild Bros. & Foster since 1904. The effects of the war on the supplies of drugs and chemicals was commented upon in many of the papers and reports submitted to the meeting, and resolutions were adopted in favour of national legislation calculated to promote the domestic production of drugs and chemicals hitherto imported. The regulation of prices was also discussed, and the Stevens Bill, making the regulation of the retail price by the proprietor legal, was warmly endorsed. A reorganisation of the Medical Supply Service of the U.S. Army, with a provision for a staff of highly trained expert pharmaceutical chemists having commissions, was asked for. Mr. Mayo is to be succeeded in the presidential chair by Dr. William C. Alpers, Dean of the Cleveland (Ohio) School of Pharmacy. The Secretary (Dr. W. B. Day, of Chicago), the Treasurer (Dr. H. M. Whelpley, of St. Louis), and the Editor of the "Journal" of the Association were re-elected. Professor Julian A. Koch, Pittsburgh, Pa., was elected Reporter on the Progress of Pharmacy, to succeed Lewis C. Diehl, of Louisville, Ky. Atlantic City, New Jersey, was chosen as the next meeting-place.



THE PRESIDENT OF THE A.PH.A.

Mr. Mayo is a Southerner, and a graduate of the Philadelphia College of Pharmacy. He has been Editor of the "American Druggist" for nearly a quarter of a century, and besides being a good pharmacist and quick-witted editor, he is a keen man of business. Since he was at Philadelphia he has taken an active interest in the A.Ph.A., has worked hard for it in various capacities, and in his own quiet way has supplied humour when it was wanted and otherwise done much to maintain good feeling among the members.

PAPAIN IN THE PHILIPPINES.—An effort is being made to develop an industry in the dried juice of the papaya (*Carica papaya*) in the Philippine Islands. The preparation of this product is represented by the Bureau of Health officials, who are endeavouring to stimulate its production, as very simple. The fruit is hung above a bowl, and longitudinal cuts are made in the fruit from which the juice drips, hardening soon after falling in the bowl. After being thoroughly dried in the sun it is put in sealed cartons for shipment.

Confectioners' and Grocers' Exhibition.

THIS year the Confectioners' and Bakers' Exhibition has been incorporated with the Grocers' and Provision Dealers' Exhibition, and it is being held this week at the Royal Agricultural Hall, Islington, London, N. These exhibitions were abandoned last year owing to the outbreak of war, but it has been thought advisable to continue the exhibitions this year. The number of exhibitors is not so large as usual, as many firms are fully engaged on Government work, while others are not able to spare sufficient staff to attend their stalls—indeed, several exhibitors at the last moment had to abandon their intention of showing from shortage of labour.

Although not primarily intended for the drug-trade, there are many exhibits which will appeal to chemists. In our walk round the Exhibition we have endeavoured in the following notes to pick out items of special interest to our readers. The Exhibition is open until 5 P.M. on Saturday, September 11.

MACHINERY AND SHOP-FITTINGS.

One of the most interesting exhibits is that of the FORGROVE MACHINERY CO., LTD., where various machines are shown for wrapping caramels, chocolates, etc. The caramel-wrapping machine wraps perfectly in waxed paper small square caramels at the rate of 140 a minute. The chocolate-cream wrapping machine employs tinfoil, the wrapping being accomplished by an ingenious arrangement of brushes. There is also a label-gumming machine which is particularly useful in cases where large labels have to be gummed. Another exhibitor of wrapping machinery is ROSE BROS. (GAINSBOROUGH), LTD.

Sealing-machines for use with gummer tapes are shown by JOHN GOSHERON & CO. and FAIRE BROS. & CO., LTD. The gummed tapes are either paper or linen.

Shopfitters are represented by HARRIS & SHELDON, LTD., much of the work shown being such as would grace chemists' shops. The NATIONAL CASH REGISTER CO., LTD., have the chief position in the Exhibition and are showing many varieties of cash-registers. Among the literature that is being distributed is the "History of the N.C.R.," to which reference was made recently in the *C. & D.* W. & T. AVERY, LTD., have a fine display of automatic weighing-machines. These are enamelled in gold and have an attractive appearance, as well as being readily kept clean. THE LONDON HOIST AND MACHINERY CO. specialise in hoists, cranes, and lifts, such as are useful in warehouses for transporting heavy packages. For outside and window signs the NEW ERA SIGNS, LTD., shown are very pleasing. These are lighted by electricity and show a constant change of colour.

Aërated-water machinery is represented by the CONSOL AUTOMATIC AERATORS (1914), LTD., who show the "Consol" syphon-fillers and a "Consol" soda-fountain. Lemonade-powder is a popular line just now, the advantage of the "Consol" powder being that no boiling water or sugar is needed. FLUGEL & CO., LTD., have also their compact aërated-water machinery in action both for filling syphons and bottles.

Lime-washing and white-washing machines are shown by the FOUR OAKS SPRAYING MACHINE CO. and the UNITED BRASSFOUNDERS AND ENGINEERS, LTD. These machines are used for whitewashing bakehouses, but are equally applicable for use in warehouses and laboratories.

There are several exhibitors of carrier-cycles and light delivery-vans. H. C. SLINGSBY shows his patent trucks and extension ladders. ROTHSCHILD & BAKER have several different patterns of light trucks, and the INITIAL CARRIER CO. exhibit carrier-tricycles and motor-carriers. Other exhibitors in this class are the MOTOR CARRIER AND CYCLE CO., ROBERSON & SONS, HILL & BASCOMBE, G. BUCHANAN, LTD., and R. DAVIES & SON.

VENESTA, LTD., show their wood packages which are so much used in the chemical trade as for export packages. The company also make all kinds of wooden trays, barrels, and bins, as well as collapsible tubes.

FRUIT ESSENCES AND FLAVOURS.

N. V. POLAK & SCHWARZ (Zaandam) have a bright exhibit of fruit essences, essential oils, and flavours. The samples are exhibited in cut-glass bottles, and there are also shown the packages in which the various essences are sent out. Samples of the different flavours are obtainable. Among the special essences are raspberry, strawberry, and black

currant from the fruit, while chocolate flavours are shown in great variety. The newer chocolate flavours are "nectar," "toddy," and "reine claude." Mr. Hiegentlich is in charge of the exhibit.

Among the other exhibitors in this class are H. Thompson & Co., who specialise in "Idolice" flavouring-powders, and G. T. Huband & Co., whose series of flavourings is known as "Concentrol."

The prevailing scarcity of almonds is reflected in several almond substitutes employed in cake-making. Joyce & Co. show "Almo-paste," Fincher's, Ltd., "Marzo," and G. T. Huband & Co. "Olmontine."

Vegetable fats are in demand in the confectionery trade, and one exhibitor, De Bruyn, Ltd., has a number of different nut-butters. One of these is called "Vebu," and is described as a standard cocoa-butter. The melting-point of "Vebu" is a little higher than is usual, this being an advantage which chocolate makers will appreciate. The Southern Cotton Oil Co. of Great Britain, Ltd., show products obtained from cottonseed oil, one of these—"Snowdrift"—resembles lard in properties, and another is a cooking-oil known as "Wesson."

A chemist is naturally interested in the various forms of egg-albumen, the use of which cheapens the egg problem, which is intensified at the present time when eggs are so dear. Some of the products shown are the white of egg in dried form, such as "Whiteg" (Joyce & Co.) and "Icecline" (Hovell, Son & Co.). Others consist of the complete egg. "Roxeg" (Robert Roxburgh, Ltd.) has the white of egg in powder form and the yolk as a preserved liquid. The user mixes these in definite proportion. "Eggo" (Eggo, Ltd.) is a powder form, while "Henegah" (H. Thompson & Co.) is concentrated eggs.

Cream of tartar substitutes are shown by Joyce & Co. ("Jaco" cream), J. F. Renshaw & Co. ("Chatham" cream-powder), and others. The British Wheat Salts Co., Priorsleigh Works, Moseley Street, Birmingham, exhibit "Tartacream," which is already known to our readers. It is claimed to be an improvement on cream of tartar. The British wheat salts is a bread improver of the best type. Other bread improvers are "Fermentine" (Fermentine Co.), "Nutteflavo" (Smith, Ward & Co., Ltd.), and a series shown by the Pantex Co., Ltd.—"Pantex," "Colvis," "Strengoist," "Raisup," etc. Montgomerie & Co., Ltd., exhibit malt extract which is used in the preparation of malt bread, and also for improving the flavour of bread.

There is a prominent exhibit of Mackintosh's toffee (John Mackintosh, Ltd.), and Hovell, Son & Co. show some nicely finished cachous, along with crystallised violets and rose-leaves.

Miscellaneous.

There are some large exhibits of flour, in which section we may classify the exhibit of the Natural Food Co., Ltd., who show Allinson's whole-meal products. An attractive booklet on the rearing of healthy babies is being distributed as an advertisement for Dr. Allinson's Natural Food.

Joseph Thorley, Ltd., show cattle-food, "Lactifer" calf-meal, "Ovum" poultry-spice, "Grula" horse-gruel, "Vitum" horse-powder, pig-powders, etc. R. Hyde & Co., Ltd., exhibit special foods for birds, also dog biscuits.

Danysz Virus, Ltd., show the Danysz virus, "Danzo" beetle-powder and "Antzo" for destroying ants. The American Cockroach and Beetle Solvent Co. exhibit "Solventum" for destroying beetles, moth-solvent, and Phillips' lysol. The Ready Rat Relief Virus Co. and the London Chemical Co. also show special preparations for destroying rats and for disinfection.

Hargreaves Bros. & Co., Ltd., and W. G. Nixey, Ltd., show "Ocean" blue, "Gipsy" blacklead, "Linoleo" floor-polish, "Glosso" metal-polish, and "Nixelene" stove-paste. Fortune & Co. have "Brytenup" and "Jester" brands of boot-polish, and a soap for motorists' use that does not require the use of water. Thomas & Bishop specialise in "Cling Surface," a substance for treating driving-belts, and several other preparations employed for machinery-belts.

Japanese Glycerin.—A company is to be floated in Japan, with a capital of 20,000*l.*, to manufacture glycerin. Mr. Inaba Junkichi, of the Osaka Glycerin Co., and several Osaka soap-manufacturers are interested in the project, which is to have a Government bounty.

A Good Gift to anyone connected with pharmacy or the drug-trade is a copy of Wootton's "Chronicles of Pharmacy," published by Macmillan & Co., Ltd., London, in two volumes, at a guinea, and now obtainable from The Chemist and Druggist office, 42 Cannon Street, London, E.C., at 7*s.* 6*d.* carriage paid in the United Kingdom, or 8*s.* 6*d.* post free to any part abroad.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Inquiry about a Doctor.

The Insurance Commissioners have now issued their decision regarding the representation by the Liverpool Insurance Committee that the continuance on the medical panel of Dr. J. D. McFeely, Shaw Street, Liverpool, would be prejudicial to the efficiency of the medical service under the Act (*C. & D.*, May 22, p. 92). The Commissioners are not satisfied that the continuance on the panel of Dr. McFeely would be prejudicial to the efficiency of the medical service of the insured, and they have decided, therefore, not to order the removal of his name. The Commissioners, however, are of opinion that the facts ascertained by the Inquiry Committee show that Dr. McFeely committed a grave error of judgment, resulting in a serious disregard of the welfare of the patient for whose medical care he had accepted responsibility, in that he did not take steps to secure the transfer of the patient to another practitioner. The Commissioners, therefore, have decided to withhold from the Liverpool Insurance Committee 20*l.* of the Exchequer grant to which the Committee is entitled, and which it will be open to the Committee, under the terms of their agreement with Dr. McFeely, to deduct from the remuneration payable to him.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Association Affairs.

ENGLAND.

Blackpool.—At the monthly meeting of the Blackpool Insurance Committee, held on September 6, confirmation was given to the minutes of the Medical Service Sub-Committee, which Committee had considered a complaint made by the Pharmaceutical Committee against a medical practitioner, who had been issuing prescriptions for drugs in powder-form (obviously intended for internal use) in separate and distinct quantities, such prescriptions containing no directions for compounding or administration. The Pharmaceutical Committee considered the prescriptions to be incomplete, and that this method of prescribing is a serious irregularity on the part of the medical practitioner. An inquiry was held by the Medical Service Sub-Committee on August 20, and the Pharmaceutical Committee's case was amplified by the Chairman (Mr. F. Boothroyd, Ph.C.) and Hon. Secretary (Mr. D. J. Bailey). The medical man concerned was present, and stated that his object was to effect a financial saving in the Drug Fund. The Sub-Committee considered the case, and gave its decision as follows: The practice which had been adopted by the medical man was objectionable and not in the best interests of the insured persons, and must be forthwith discontinued. The medical man promised to discontinue the practice, and the Sub-committee therefore recommended that no further action be taken. The Clerk was authorised to issue cheques to the chemists for the balance of their accounts in full for the year ended December 31, 1914. This balance includes payment for temporary residents' prescriptions, as well as payment for the "buff forms."

Bolton.—The local Medical and Panel Committee has adopted ten formulæ under the stock-mixture clause, and they will come into use on October 1. The Committee, having considered a report on alleged excessive prescribing, decided to caution certain doctors.

Canterbury.—The Insurance Committee has been informed by the Commissioners that no grant for *ex gratia* payments for 1913 and 1914 will be made where the deficit is less than 15 per cent. The deficits on local chemists' accounts in 1913 and 1914 were 10 per cent. and 5 per cent. respectively.

Essex.—The emergency settlement for 1914 has been delayed owing to the desire of the Panel Committee to scrutinise the accounts. Chemists will be paid practically 90 per cent. of the amounts of their accounts for the year.

Grimsby.—The report of the Pharmaceutical Committee for 1914-1915 indicates that as a result of resolutions submitted to the Panel Committee from time to time, and favourably received, there has been no necessity to deal with the question of excessive prescribing. The committee disallowed late fees except where the prescription was marked urgent by the doctor. Agreement was arrived at with the Panel Committee regarding the prescribing of proprietary articles, patent foods, disinfectants, etc., as a

result of which the drug fund benefited considerably. It was arranged with the Panel Committee that dressings for immediate use in surgeries should be obtained from the nearest chemist by prescription bearing the name of the patient. The Committee checked all prescriptions for the last two quarters of 1914, and from April 1915 decided to check all prescriptions value over 1*s.* and all prescriptions corrected by the checker. No meetings of the Pharmaceutical Service Sub-Committee or of the Joint Services Sub-Committee were held during the year.

Liverpool.—An epitome of recent proceedings of Sub-Committees indicates that the Medical Benefit Sub-Committee has again postponed consideration of the question of monthly instead of quarterly payments to chemists. The Commissioners' proposals for the emergency settlement of chemists' accounts for 1914 were laid before the Sub-Committee. The amount available for the settlement is 22,598*l.*, *minus* the administrative expenses of the Pharmaceutical Committee (91*l.*). Chemists' accounts for 1914 (including accounts for drugs specially affected by the war) amount to 25,377*l.*, to which have to be added 16*l.* in respect of temporary residents, 22*l.* for institutions, and 65*l.* for "own arrangements," making 25,480*l.* Of these accounts, 74 per cent. has already been paid, and a further payment of 14.37 per cent. will now be made to chemists who accept the emergency settlement. The following particulars regarding prescriptions dispensed during the first quarter of 1915, compared with the corresponding quarter of 1914, were submitted:

—	January 1—March 31 1915	January 12—April 11, 1914
Number	181,568	207,877
Cost...	£7,077	£8,147
Average Cost	9.35*d.* (Approximate only)	9.40*d.* (Checked Accounts)

A resolution from the Derbyshire Insurance Committee, protesting against the deductions by the Commissioners from the Medical Benefit Funds for 1914, was received, and it was decided to take no action. The Secretary reported one addition and one alteration of address on the dispensing panel. It was stated that the number of persons on the index register entitled to Medical Benefit on July 1 was 288,846. The report of the Pharmaceutical Committee upon its examination of the 1914 prescriptions (*C. & D.*, June 19, p. 52) was received, and it was resolved that the attention of the Panel Committee and panel practitioners should be called to the irregularities which had been noted. The Pharmaceutical Committee has issued to chemists a circular-letter advising acceptance of the emergency settlement for 1914.—Panel chemists have now received cheques in settlement of accounts for special war scheduled drugs. Many chemists had given up all hope of the extra allowance, and their cheques came as a pleasant surprise. Considering the war and other things, chemists seem quite satisfied with the emergency settlement for 1914. As accounts for 1913 were paid in full the general opinion is that Liverpool has fared not so badly for the first two years' working of Medical Benefit.

London.—The Commissioners have now forwarded the final figures for the emergency settlement of chemists' accounts for 1914 to the Insurance Committee. Accounts are now being balanced, and the proposals will be submitted to chemists when the accounting is completed. Cheques in respect of special war-scheduled drugs supplied to December 31 will be in the hands of chemists at an early date.

Middlesex.—The emergency settlement for 1914 allows of the payment of a little over 95 per cent. of the amounts of chemists' accounts.

Sheffield.—At the monthly meeting of the Insurance Committee a letter was read from the Pharmaceutical Committee suggesting that chemists should have two representatives on the Committee. The name of Mr. J. T. Appleton was put forward as a suitable representative. It was decided to inform the Pharmaceutical Committee that the power to make such an addition to the Insurance Committee lies only with the Commissioners. A letter was read from Mr. G. T. W. Newsholme, Ph.C., F.C.S., tendering his resignation from the Committee because of indifferent health. The resignation was accepted, and the Committee passed a resolution sympathising with Mr. Newsholme.

Staffordshire.—The Medical Benefit Sub-Committee reported to the Insurance Committee on September 4 that 15,194*l.* is available for the purpose of the emergency settlement of chemists' 1914 accounts, which amount to 15,412*l.*, so that 98.58 per cent. of the claims could be paid. The Sub-Committee also reported that the Pharmaceutical Committee had decided to advise chemists to accept the settlement.

Yorkshire (West Riding).—Sheffield chemists whose business is partly in the West Riding have received payment for the special war-scheduled drugs supplied to December 31, 1914. They are agreeably surprised at the amount received.

SCOTLAND.

Pharmaceutical Standing Committee.

This Committee has issued to panel chemists Appendix VIII. to the Drug Tariff. This shows that five new drugs are added and thirty-two others altered in price, almost all the changes indicating a marked advance. It is stated in an accompanying circular that the Departmental Committee on the Drug Tariff has completed its work, and that the report may be available at an early date. The case for Scottish pharmacists has been put fully before the Departmental Committee, and arrangements have been made to deal with any proposals put forward in the report at the earliest possible moment. The Standing Committee will meet at an early date to consider the conditions of service for 1916. Panel chemists are recommended to await the fuller information, which it is hoped the Standing Committee will be able to supply to Pharmaceutical Committees, so that united action may be taken.

Dundee.—Several pharmacists when handing in prescriptions for August expressed dissatisfaction at the delay in the receipt of payments. As a result payments on account have been received for the June accounts at the rate of 6*d.* per prescription. A further payment has been received in respect of the April accounts. In a communication from the Superintendent of the Central Checking Bureau, it is stated that "code recipes" cannot be priced, and are therefore disallowed; that "repeats" (*a*) bearing no reference number or date; (*b*) reference number or date cannot be found after searching through the prescriptions for the preceding months of 1915; or (*c*) the originals of which are previous to 1915, and are therefore not in the possession of the Bureau, are returned, and will be passed if forwarded, in order, with the next parcel; and that prescriptions with insufficient particulars are disallowed.

WALES.

Breconshire.—During 1914 23,921 prescriptions (value, as checked, 782*l.*) were dispensed, and chemists' accounts were paid in full. In the second quarter of 1915 6,251 prescriptions (value 190*l.*) were dispensed, and 90 per cent. of the chemists' accounts paid.

Association Affairs.

Middlesbrough.—The monthly meeting of the Middlesbrough Chemists' Association was held on September 2. Owing to the disturbance of the drug-markets caused by present conditions, it was suggested that a local retail price-list should be drawn up. After a discussion, it was decided to appoint a Sub-Committee to go into the matter, and a meeting of the Sub-Committee was fixed for September 7.

Northamptonshire.—The Northants Pharmacists' Association met on September 2. In the absence of the Chairman (Mr. J. Gant, J.P.), Mr. C. Smith (Rushden) presided. Mr. C. A. Hedley (Rushden) was appointed delegate to the Local Associations conference in London next month. A minimum price-list for the county was agreed to and ordered to be circulated to chemists in the area. A proposal to ask the Insurance Committee to make an extra allowance for malt and oil and cod-liver-oil emulsion was discussed. The prices suggested were 1¾*d.* per oz. (+ dispensing-fee), instead of 1½*d.* per oz., for cod-liver-oil emulsion, and 1*s.* 1*d.* per lb. and 1*s.* 11*d.* per 2 lb. for malt and oil (no dispensing-fees). The matter was referred to the Committee of the Association.

PRESERVING BOTANICAL SPECIMENS.—Dr. C. F. Fothergill suggests the following simple process for drying botanical specimens so that the colours of the flowers are preserved. Sheets of cotton-wool are placed in three layers forming two compartments between two "grids" made of wire mesh-work of half-inch squares with a heavy encircling band. The necessary pressure is obtained by fastening one or two straps, preferably of webbing, around the "grids," and tightening them as required. The flowers to be pressed are placed in the grid, which is then suspended in front of a fire, or in the sun when this is sufficiently powerful. The explanation of the success of the method is that the process of drying is so rapid that the pigments are fixed instead of being slowly decomposed.

German News.

Synthetic Camphor.—The "Apoth. Ztg." wonders why in the new British Pharmacopœia synthetic camphor is not admitted, especially as it is mentioned in the British Pharmaceutical Codex.

Professor Dr. R. Magnus, of Utrecht, Holland, has not accepted the nomination as successor of Professor E. Hormack in the directorship of the Pharmacologica. Institute of Halle a. S. (see *C. & D.*, August 21, p. 384.)

Petroleum-benzine.—Professor von Walther, of the Technical Academy in Dresden, has, in collaboration with Dr. Graefe, discovered a new process for making benzine. A limited company has been founded with a capital of m.250,000 in shares in Dresden which will take up the manufacture.

German Chemical-industry.—In an article on the German chemical-industry in the "Frankfurter Zeitung" it is stated that the annual output of chemical-products in Germany amounts to fifty million marks (£2,500,000), half of which is exported. The efforts of the war have been especially keen—for in this industry, as not only all exports to enemy countries ceased, but, owing "to England's brutal action on the seas," the exports to overseas countries were also rendered very difficult, while on the other hand the supply of a number of raw materials was also hindered. The chemical-industry quickly adapted itself, however, to war requirements, and to a great extent substitutes have been found for scarce raw materials, nitrates from the air being especially mentioned. The production of war material has occupied the first place in the industry, peace products being more or less in the background. This applies especially to aniline dyes, but consumers in Germany are not embarrassed on this account, as large stocks are still available, and it is reported that it has even been possible to export certain quantities of German aniline dyes to neutral countries. The works producing acids are very busy, the production of pharmaceutical products also continues, owing to home demand, and there is no lack of labour in the chemical-industry, as men from works that are slack are transferred to busier works, and where war material is produced the men are exempt from army service. Efforts of enemy countries to manufacture products like those obtained from Germany were opposed in Germany with boldness, and England's work in this respect is referred to as "convulsive efforts of the Dye Co." whose possibility of success is "at present still very distant." So in the whole the future is faced with complete confidence by the German chemical-industry, the favourable material position of most works and the amount of the reserves making it possible to "await with calmness the return of peaceful times and normal conditions of output and profit."

Penalty of English Pride.—The "Berliner Tageblatt" reports a curious instance of what it calls the "incredible impertinence of English pride," as exemplified in the person of one Charles Scott, described as an English pharmacist and an Englishman by birth. Scott, it appears, was in the habit of making a trip to Germany every year for the purpose of doing business with a German wholesale drug-firm, and on his last visit, shortly before the war, he got into difficulties with the German police, and was sentenced to one year's imprisonment. In May of this year, while serving his sentence in the prison at Tegel, Scott, on the occasion of his daily exercise in the prison-yard, told his fellow-prisoners that the war would be over within four weeks, the German Empire shattered, and the Kaiser reduced to Margrave of Brandenburg. For these remarks he was tried before the Berlin Court on August 17, and sentenced to an additional three months of the year. The prosecution stated that an equally "impertinent" speech was brought against Scott, "but, since even for a convicted criminal could not touch the person of the Kaiser. When under examination by the Governor of the prison at Tegel, Scott had not only admitted the charge, but indulged in further abuse of the Kaiser, for which, by way of preliminary punishment, he was shut up in a dark cell. Finally, he is said to have assaulted a prison warder. At the trial before the Berlin Court, Scott "made pharmacistic" attempt the abuse. The Public Prosecutor urged that "such impudence and such behaviour deserved to be severely punished," and the Judge, in sentencing Scott, pointed out that he "lived in Germany, moreover, and that this was a case in which English pride revealed itself in the most typical manner. A German, called the Judge, who should be guilty of similar shameless impertinence in England would probably have forfeited his life long ago." In our issue of October 24, 1914, we printed the following report: "Charles Scott, a pharmacist from England, who has been some time in Berlin, and is about forty years old, was found last month on a seat in the Tiergarten in an unconscious condition. He was removed to the hospital, where the doctors found that he had taken poison." There is only one Charles Scott on the Register of Chemists and Druggists, and he is at present, and has for many years continuously been, with Duncan, Flockhart & Co., 6 North Bridge, Edinburgh. Obviously he is not the Charles Scott who is in the hands of the Germans.—Editor *C. & D.*]

Trade-Marks.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with the Registrar of Trade-Marks, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C. The prescribed time is one month from the date of the Journal in which the application has appeared; but the period may be enlarged by the Registrar, if he thinks fit, and upon such terms as he may direct. Formal opposition should not be lodged until after notice has been given by letter to the applicant for registration, so as to afford him an opportunity of withdrawing his mark before the expense of preparing the notice of opposition is incurred. Failing such notice to the applicant, an opponent may not obtain an order for costs.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1915, p. 435.

From the "Trade-marks Journal," September 1, 1915.)

"Ruffells" and picture of parrot, "Ruffells" disclaimed; for goods (5). By Ruffell's Exclusives, Ltd., 5 and 9 Long Acre, W.C. 368.365. (Associated.)

"Pinalite": for explosives (20). By T. Aspinall, Carlton Street, Bolton. 368.635.

"Halakite" and "Raminite": for explosives (20). By Anglo Explosives, Ltd., 11b Regent Street, S.W. 368.753 4.

"Cervisia": for all goods (42). By Murphy & Lonsdale, Ltd., 3 and 4 Queen Square, Leeds. 367.744.

Oval medallion device of three women's heads surrounded by words "Yardley & Company, Limited": for perfumery, etc. (48). By Yardley & Co., Ltd., 105 Carpenter's Road, Stratford, E. 368.234. (Associated.)

"Throstle" with picture of same: for perfumery, etc. (48). By G. W. Goodwin & Son, Ordsall Lane Soap-works, Manchester. 368.764.

"T O T": for polishes (50). By Bamber & Johnston, 599 Poulton Road, Wallasey. 368.455.

"Sheleen": for furniture-polishes (50). By Isabel M. Gellibrand, 2 Drayton Court, Drayton Gardens, S.W. 368.459.

"Solol": for leather-preservatives (50). By G. Mitchell, 39 Victoria Street, S.W. 368.726.

From the "Trade-marks Journal," September 8, 1915.)

Device of pyramid, bearing word "Ansco": for photographic chemicals, plates, and films (1). By Ansco Co., Binghamton, Broome County, N.Y., U.S.A. 368.078. (Associated.)

"Peroxydol": for peroxide of hydrogen (1). By New Oxydol Products, Ltd., 23 Fitzroy Square, London, W. 368.572. (Associated.)

"Shek": for chemicals (2). By The Ovelle Spice Co., 67a Hill Street, Newry. 368.624.

"Greno": for ointment (3). By B. M. Bertelson, 8 Young Street, Sydney, N.S.W. 368.197.

"Delico": for all goods (3). By W. H. Keep, Craven House, Kingsway, W.C. 368.000.

Device of bridge and cloud bearing words "Bridge Brand": for medicinal chemicals (3). By R. W. Greef & Co., Queen Street Place, E.C. 367.645.

"Protargen": for medicinal chemicals (3). By Mellin's Food, Ltd., Peckham, S.E. 368.227.

"Rhyana": for medicinal chemicals (3). By Milton Stott, 49 Westgate, Elland, Yorks. 368.265.

"Argoid" and "Argopeol": for medicinal chemicals (3). By H. Madoery, Leonhardstrasse 24, Basle. 368.842 4. (Associated.)

"Solopform": for medicinal chemicals (3). By Numol, Ltd., 3 College Street, Newcastle-on-Tyne. 368.583.

"Lenyl": for pharmaceutical preparations (3). By L. C. Louis, 25 Rue de Clichy, Paris. 368.778.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., September 9, 6.30 p.m.

BUSINESS shows a slight falling-off in many quarters this week, and there is a distinct lull in the demand for some of the fine chemicals, owing to the extremely high prices asked, while nobody buys more than he actually needs. Guaiacol carbonate, guaiacol and phenacetin have been sold at higher rates, and are genuinely scarce. Quinine is dearer in second-hands. Potash permanganate is rather cheaper. Morphine and codeine are firm and unchanged. Mercury is cheaper owing to arrivals of Italian. Crude drugs has been quiet pending the large auction. Among spices, cassia lignea, peppers, and cinnamon chips are more or less dearer; a large supply of nutmegs at auction realised an advance of ¼*d.* to ½*d.* per lb. for sound, and there was a good demand for West Indian mace. The principal changes have been as under:

Higher	Firmer	Easier	Lower
Caraway-seed	Antimony (Ch. cr.)	Aloes (Cape)	Anise oil (star)
Cassia lignea	Canary-seed	Ammonia sulphate	Annatto-seed
Cinchonidine and sulph.	Cinnamon-chips	Cardamoms	Calumba
Cinchonine and salts	Nutmegs	Copper sulphate	Camphor (ref. Jap. slabs)
Coriander-seed	Wax (Jap.)	Honey	Cubebs
Cumin-seed		Mint oil (Jap. c.i.f.)	Milk-sugar
Dragon's-blood (reed)		Potash permang.	Quicksilver
Guaiacol carb.		Senna (Tinn.)	
Peppers			
Quinine (sec.-hands)			

Cablegram.

NEW YORK, September 8.—Business in drugs is fair. Opium is dearer at $7.40 per lb. for druggists'. Cartagena ipecacuanha has advanced to $2.50 per lb. Quinine is dearer at 36c. per oz. Curaçao aloes is dearer at 14c., and buckthorn-bark is firmer at 28c. Cascara sagrada is steady at 7½c. Menthol and peppermint oil are unchanged. Arnica-flowers have advanced to 23c. per lb.

London Markets.

ACETANILIDE is quoted at from 5*s.* 3*d.* to 5*s.* 6*d.* per lb. on spot; New York mail advices quote $1.10.

AGAR-AGAR.—Business has been done at 2*s.* 7*d.* per lb. spot, and at 2*s.* 4*d.* c.i.f. to arrive.

AMMONIA SULPHATE is the turn easier at 13*l.* 17*s.* 6*d.* per ton net, naked at works, London, for 25-per-cent. ammonia; Hull, 24-per-cent., is 14*l.* 7*s.* 6*d.*; Liverpool, 14*l.* 10*s.*; Leith, 14*l.* 12*s.* 6*d.* to 14*l.* 15*s.* per ton in bags f.o.b., less 3½ per cent.

BALSAM CANADA.—B.P. quality is offered at 4*s.* per lb. net.; the crop is going to be considerably less this year.

CAFFEINE.—English makers endeavour to supply their regular customers on the basis of 21*s.* per lb. for the pure crystals.

CAMPHOR (REFINED).—Japanese is firmer, the sales including 2½-lb. slabs at 1*s.* 5½*d.* to 1*s.* 5½*d.* per lb. c.i.f. for November-December shipment, and ¼- and ½-oz. tablets at 1*s.* 6¾*d.* c.i.f. The stock in London on August 31 was 2,490 packages, against 1,051 packages at the same time last year. In auction 101 cases Japanese refined 2½-lb. slabs sold without reserve at 1*s.* 4*d.* to 1*s.* 4½*d.* per lb., being lower.

CANARY-SEED firmer, at 74*s.* to 76*s.* 6*d.* per quarter for fair to good quality Morocco on the spot.

CARAWAY-SEED is dearer, new-crop Dutch having been sold at 39*s.* 6*d.* per cwt., landed terms.

CASSIA LIGNEA is dearer and in good demand, with spot sales of fair selected at from 35*s.* to 37*s.*, and for September-October shipment 32*s.* 6*d.* c.i.f. is quoted. At the close 40*s.* spot is asked.

CASTOR OIL is firm at 37*l.* 15*s.* per ton in barrels ex wharf London.

CHLORAL HYDRATE in bond is quoted at from 10*s.* to 10*s.* 6*d.* per lb.

CINCHONA.—The bark shipments from Java to Europe during August 1915 amounted to 591,160 Amst. lb., against 987,000 Amst. lb. in 1914. The total shipments (January-August) were 6,523,760 Amst. lb., against 10,318,000 Amst. lb. in 1914.

CINNAMON.—Chips are firmer on the spot with sales at 3½*d.* per lb.

CLOVES have been quiet, with fair Zanzibar offering on the spot at 6⅜*d.*; to arrive, September-October shipment is quoted 5½*d.* c.i.f.

COCA-LEAVES.—The exports from Java to Europe during August amounted to 560 packages, against 1,684 packages in 1914. The total exports (January-August 1915) were 14,575 packages, against 19,769 packages in 1914.

COD-LIVER OIL.—Our Bergen correspondent writes on August 30 that there have been a few inquiries for unrefined oil equivalent to the rate of about 315*s.* per barrel c.i.f. London for prime non-congealing oil, but no business transpired. We are advised that large sales of Newfoundland medicinal oil have been made to the United States at from 290*s.* to 300*s.* per barrel, and only a limited supply is available for the English market.

CODEINE is firm at 23*s.* per oz. net for the pure crystals and 21*s.* net for the hydrochloride, sulphate, and phosphate.

COPPER SULPHATE is a shade easier at 27*l.* per ton for the usual Liverpool brands.

CORIANDER-SEED is dearer: fair old crop has been sold at 13*s.* 6*d.* per cwt., and 14*s.* is now asked.

CREOSOTE (BEECHWOOD) is quoted at from 7*s.* 6*d.* to 10*s.* per lb.

CUMIN-SEED has advanced in price again; ordinary quality Morocco has been sold at 70*s.* per cwt.; good is held for 75*s.* per cwt.

EPSOM SALT of U.S.P. quality is offered at 20*l.* per ton ex wharf London.

ERGOT.—Privately 2*s.* 4*d.* per lb. c.i.f. is quoted for forward shipment of Spanish or Portuguese. At the drug-auction 7 bags of dusty Portuguese were limited at 2*s.* 2*d.*

ETHYL CARBONATE.—Business has been done at 57*s.* 6*d.* per lb.

GINGER.—At auction 40 cases unsorted Calicut native cut sold at 52*s.* 6*d.* for slightly wormy. About 700 packages were bought in.

GUAIACOL CARB. is now almost unobtainable, the nominal value being 35*s.* to 40*s.* per lb.; 35*s.* has been paid for a few pounds.

HYDRASTIS.—Fall-dug is offered at 22*s.* 6*d.* per lb. net.

LEMON OIL is unaltered at 4*s.* spot and 4*s.* 3*d.* per lb. c.i.f.

LIQUORICE-ROOT.—Decorticated sticks have been selling at 60*s.* per cwt. on the spot; the value of common natural is from 40*s.* to 43*s.*

LYCOPODIUM is now scarce on spot, the last business being at 4*s.* 6*d.* per lb., with nothing further obtainable at this figure.

MACE.—The large supply of 470 packages West Indian practically all sold: fair to good pale was fully steady, while red sorts were 1*d.* to 2*d.* lower, and pickings 2*d.* to 3*d.* cheaper.

MENTHOL.—Privately, the nominal value is 8*s.* 9*d.* for Kobayashi-Suzuki, and to arrive 8*s.* 6*d.* c.i.f. is quoted. The exports from Japan during June amounted to 33,236 kin valued at 190,765 yen, and for the six months ended June 30 the exports were as follows:

	1913	1914	1915
Kin	121,290	209,076	216,376
Yen	1,691,123	1,441,101	1,202,805

The destinations during the six months were as follows:

To	1913 Kin	1914 Kin	1915 Kin
British India	5,589	9,330	14,467
Great Britain	33,847	36,599	44,756
France	18,516	16,029	34,327
Germany	41,673	82,150	—
U.S.A.	16,332	59,093	102,558
Other countries ...	5,301	5,875	20,358
Kin	121,290	209,076	216,376

In the drug-auction 4 cases Suzuki apparently sold at 9*s.* to 9*s.* 3*d.* per lb., much to the surprise of the market.

METHYL SULPHONAL has been in little demand of late, the value being 23*s.* 6*d.* per lb.

MILK-SUGAR.—Good arrivals having taken place, sellers quote 70*s.* per cwt.

MINT OIL.—Business has been done in Suzuki for November-December shipment at 2*s.* 7*d.* per lb. c.i.f., being easier, with further buyers. The spot value is 2*s.* 9*d.* for premier brands. The exports from Japan during June amounted to 35,750 kin. valued at 71,805 yen. During the six months ended June the exports were as follows:

	1913	1914	1915
Kin	164,065	220.099	240.889
Yen	644,817	675.694	481.527

MORPHINE continues in good demand on the basis of 13*s.* 6*d.* per oz. net for the hydrochloride powder.

NUTMEGS.—At auction the large supply of 1,189 packages West Indian sold, sound selling at an advance of ½*d.* per lb., but wormy and defective were ½*d.* cheaper.

OILS (FIXED).—*Linseed* is slightly firmer on the week, pipes on the spot closing at 25*s.* 9*d.* and barrels at 26*s.* 3*d.* *Cotton-seed* is steady at 26*s.* 9*d.* to 27*s.* for crude in pipes, 30*s.* for pale refined in pipes, and 34*s.* to 35*s.* for sweet refined in barrels, all spot. Ceylon *Coconut* is steady at 43*s.* 6*d.* in hogsheads and 42*s.* in pipes; Cochin is unchanged at 44*s.* to 47*s.*; London pressed is 33*s.* 6*d.* *Colza* is unaltered at 34*s.* to 35*s.* for ordinary brown, naked, on spot, and 36*s.* to 38*s.* for British refined in barrels. Lagos *Palm* is 30*s.* 6*d.* spot, and 29*s.* ex store Liverpool. *Soya* is firmer at 22*s.* 6*d.* c.i.f. on passage.

ORRIS.—Sales of best new Florentine have been made at 49*s.* 6*d.* on the spot.

PEPPERMINT OIL.—Some inquiry has sprung up this week which has revealed the fact that very little so-called Wayne County oil is to be had on the spot, 7*s.* 6*d.* being wanted for the best brands.

PHENACETIN is now very difficult to obtain, the values being from 35*s.* to 37*s.* per lb.

PHENAZONE is offered at about 37*s.* 6*d.* per lb.

PHENOLPHTHALEIN is quoted at 17*s.* 6*d.* per lb.

POTASH IODIDE.—The exports from Japan during June were 5.790 kin, valued at 54.515 yen, and for the six months ended June 30 the exports were:

	1913	1914	1915
Kin	30,583	39.970	77,356
Yen	176,791	257,565	589,611

There were no exports of *crude iodine* during June, the exports during the six months ending June 30, 1915, were 1,185 kin, against 10,275 kin and 7,857 kin in 1914 and 1913 respectively.

POTASH PERMANGANATE.—Although there has been no relief to the scarcity, an easier feeling has developed in certain quarters, and the range is now from 280*s.* to 295*s.*, according to holder.

QUICKSILVER has declined a further 5*s.* per bottle to 16*l.* 15*s.* to 17*l.* for Spanish.

QUININE closes a firm market, with buyers at 1*s.* 9*d.* per oz. spot for the usual Continental brands of sulphate.

SAFFRON is steady at from 44*s.* to 45*s.* per lb. for finest Valencia.

SALICYLIC ACID is unchanged at from 14*s.* 6*d.* to 15*s.* per lb. for powder.

SHELLAC is firm, with rather more demand; TN Orange is selling on a basis of 66*s.* for fair, and good 67*s.* to 68*s.*; fine orange is quoted 80*s.*, and free AC Garnet at 63*s.* 6*d.*; to arrive, September-October shipment of TN is quoted at 66*s.* 6*d.* c.i.f.

SODA HYPOSULPHITE is steady at from about 18*l.* 10*s.* to 19*l.* per ton ex wharf for American.

SULPHONAL is quoted at from 27*s.* 6*d.* to 30*s.* per lb.

TERPIN HYDRATE is quoted at from 2*s.* 6*d.* to 2*s.* 9*d.* per lb.

THYMOL.—Business has been done in Swiss make to arrive at 40*s.*, and this price has also been paid for small lots of English make.

TURPENTINE is slightly easier on the week, closing at 34*s.* 6*d.* per cwt. for American on spot.

WAX, VEGETABLE.—Japanese has been sold on the spot at 49*s.* 6*d.* to 50*s.* per cwt. on the spot, and to arrive 53*s.* c.i.f. has been paid.

London Drug-auctions.

Commercial Sale-rooms,
Mincing Lane, E.C., September 9.

A large supply of drugs was offered by eleven brokers, but the public demand was poor, and the bulk was bought in. Cape aloes proved slow of sale and a trifle easier. Sumatra benzoin was quiet but steady; buchu was also slow. Very few cardamoms were disposed of, at generally easier prices. Calumba was in large supply, but quality is poor. Refined camphor sold cheaply without reserve, and the sale of a parcel of star-aniseed oil (prize) was a feature. Reed dragon's-blood sold at an advance; gamboge was obtainable at cheaper prices than those asked privately. Jamaica honey was in large supply, but slow of sale; Cuban and Haytian was in demand at about steady rates. Ipecacuanha was very sparingly offered, Matto Grosso being steady; jalap without test sold cheaply; kola is still in demand; West Indian distilled lime oil brought good prices; menthol sold at higher prices; olibanum is selling privately; rhubarb was slow of sale; grey Jamaica sarsaparilla was quite neglected, this being unusual. Both Tinnevelly and Alexandrian senna are scarce, the former bringing irregular rates. Bees' wax was very quiet.

	Offered	Sold
Ajowan-seed	20	0
Aloes—		
Cape	135	17
Socotrine (keg)	15	0
Zanzibar	17	0
Ambergris (tins)	3	0
Ammoniacum	24	7
Anise oil, star	100	100
Annatto-seed	318	*30
Areca	67	0
Asafetida	15	0
Balsam peru	14	0
Balsam tolu	17	0
Benzoin—		
Palembang	15	0
Siam	87	0
Sumatra	240	16
Buchu	21	1
Calumba	565	17
Camphor (ref.)	126	101
Cannabis indica	2	0
Cantharides (ch.)	15	0
Cardamoms and seed	525	44
Cascara sagrada	97	0
Cashew-nuts	140	15
Cinchona	6	1
Cinnamon-leaf oil	12	0
Cocaine hyd. (tins)	2	0
Condurango	11	0
Croton-seed	4	0
Cubebs	19	10
Cuttlefish-bone	20	0
Dragon's-blood	57	12
Elecampane	10	0
Elemi	20	0
Ergot	27	0
Galangal	26	0
Gamboge	13	1
Guaiacum	13	2
Gum acacia	156	10
Gum acroides	80	80
Honey—		
Cuban	198	198
Curaçao	5	5
Haytian	169	157
Jamaican	530	65
New Zealand	47	0
San Domingo	37	0
St. Vincent	4	4
Trinidad	109	0

	Offered	Sold
Ipecacuanha—		
Matto Grosso	10	2
Jalap	18	18
Kamala	16	0
Kola	80	20
Lime oil	6	6
Linaloe oil	7	0
Madder	5	0
Menthol	14	4
Myrrh	37	0
Nux vomica	22	0
Olibanum	66	*6
Opium (tins)	3	0
Orange-peel	2	0
Otto of rose (vs.)	2	0
Puree	6	0
Quillaia	100	0
Quince-seed	8	0
Rhubarb—		
Chinese	136	7
Ch. Rhap.	10	0
Rosin	14	14
Sandalwood chips	63	0
Sandarac	17	0
Sarsaparilla—		
Grey Jam	50	0
Honduras	15	0
Lima (Jam.)	4	0
Native Jam	33	3
Senega	4	0
Senna and pods—		
Alex.	2	0
Tinnevelly	57	57
Squill	20	0
Tamarinds—		
East Indian	21	0
Barb.	6	0
Tonka-beans	18	0
Triacetin	2	0
Turmeric	486	0
Valerian (Jap.)	40	0
Wax (bees')—		
Abyssinian	180	0
Chilian	18	0
East African	263	0
East Indian	278	*24
Jamaica	21	0
Morocco	31	0
Mozambique	63	0
Portuguese	188	*25
West African	4	0
West Indian	1	1

* Sold privately.

Before commencing his sale, Mr. Andrew Devitt (Lewis & Peat) referred to the loss the drug-trade had sustained by the death of Mr. Arnold Baiss (Baiss Bros. & Stevenson, Ltd.), who was well known and respected throughout the trade. He proposed that a letter of condolence should be sent to the family. Mr. E. A. Webb (Evans Sons Lescher & Webb, Ltd.) seconded the proposal, and the vote was passed in silence.

ALOES.—Cape was slow of sale and easier; good seconds, part coarse, sold 30*s.* to 31*s.*, soft seconds 29*s.* to 30*s.*, and dull hard coarse 28*s.* Good bright hard firsts were obtainable at 34*s.* per cwt.

AMMONIACUM.—Seven cases of fair pale, partly blocky, small tear and grains sold at 59*s.* per cwt.

ANISE OIL (STAR).—A lot of 100 cases Chinese of an outside brand (naval prize) sold without reserve on account of Admiralty Marshal at 2*s.* 10*d.* per lb., usual trade terms, no bonds being required from buyers as to re-exports. The congealing point was 15.3.

ANNATTO-SEED.—Dull to fair Java were offered at from 5*d.* to 6*d.*; 30 bags had been sold privately.

ARECA.—Fair, slightly wormy, seed (47 bags) were obtainable at 25*s.* per cwt.

BENZOIN was very quiet. Six cases of fair Sumatra seconds sold at 7*l.* 5*s.* per cwt., and a few cases had been sold privately. Good almondy seconds were obtainable at 8*l.* 5*s.* per cwt. The landings in London during August were 432 cases and the deliveries 199 cases. The stock on August 31 was 1,952 cases, against 505.

BUCHU.—A single bag of good green longs sold at 2*s.* 9*d.*; fair to good green round were limited at 4*s.* 4*d.* to 4*s.* 7*d.*, and common yellowish 4*s.*; ovals were held at from 2*s.* 4*d.* to 2*s.* 6*d.* for bronzy to good slightly stalky greenish.

CALUMBA.—A fair quantity was offered, but mostly of poor quality. Seventeen bags sea-damaged common dull sorts sold without reserve at from 13*s.* to 16*s.*, and badly damaged at 7*s.* per cwt. Stock in London at the end of August 620, against 869

CANNABIS INDICA.—Two cases genuine Bombay tops were offered at 7*s.* per lb.

CANTHARIDES.—Fair Chinese are obtainable at 5*s.* 6*d.* per lb.

CASCARA SAGRADA.—A lot of fair quality imported in 1915 was held for 55*s.* per cwt. The London stock on August 31 was 114 tons, against 191 tons in 1914 and 266 tons in 1913. The landings in London during August were 21 tons and the deliveries 10 tons.

CASHEW-NUTS.—Fifteen cases very badly infested with weevil found a buyer at 15*s.* 6*d.* per cwt.

CARDAMOMS continue to meet with a poor reception, the bulk of the business being done privately. A few cases sold, including Ceylon-Mysore extra bold pale at 5*s.*; medium to bold ditto, 4*s.* 6*d.*; medium pale, 3*s.* 1*d.* to 3*s.* 9*d.*; small to medium pale, 2*s.* to 2*s.* 7*d.*; tiny, 1*s.* 6*d.*; splits, 1*s.* 8*d.*; brown and splits, 1*s.* 3*d.* Good Bombay seed was obtainable at 2*s.* 6*d.*; ordinary pale sold at 2*s.* 3*d.*, subject. The landings in London during August were 434 packages, against 477 packages; the stocks on August 31 were 3,202, against 1,465.

CHAMOMILES.—Brownish French were offered at 160*s.*

CINCHONA.—A single bale of fair small flat Cartagena sold at 8¼*d.* without reserve, and for 5 bales of fair sweet Huanuco quill a bid of 9½*d.* is to be submitted.

COCAINE.—At auction 2 tins of crude (48 lb.)were bought in at 6*s.* per oz.

CUBEBS were cheaper, 19 bags of ordinary greyish selling at 7*l.* 15*s.* per cwt.

DRAGON'S-BLOOD.—Reed, of which 11 cases sold, was dearer at from 10*l.* 12*s.* 6*d.* to 11*l.* 12*s.* 6*d.* per cwt. for good. A single box of good bright seedy lump sold without reserve at 11*l.* 17*s.* 6*d.* per cwt. Reboiled lump, which has fallen off in quality, is plentiful and is held for 18*l.*, at which figure buyers hold off. The landings in London during August were 25 cases and the deliveries 13 cases; the stock is 90 cases, against 53.

ELEMI.—Twenty cases of good white were offered at 54*s.* per cwt.

GALANGAL.—Fair bright (11 bales) were obtainable at 42*s.* 6*d.*

GAMBOGE.—A new lot of 13 cases offered, and were firmly held at 13*l.* 10*s.* for fair Siam slightly blocky pipe; a case of good pickings sold at 11*l.* per cwt.

GUM ACCROIDES.—Eighty bags of dusty Australian chips (yacca gum) sold without reserve at 9*s.* per cwt.

HONEY.—Jamaica was in large supply, but proved slow of sale. The prices paid include fair bright liquid, 33*s.* 6*d.* to 35*s.*; pale yellow setting, 34*s.*; pale set, 34*s.*; brown setting, 31*s.* 6*d.*; dark liquid, 28*s.* to 29*s.* A lot of 97 barrels Haytian sold at from 32*s.* 6*d.* to 33*s.* 6*d.* for fair to good pale liquid, at from 26*s.* to 28*s.* 6*d.* for middling to fair brown liquid, and 22*s.* to 24*s.* for common dark liquid; *set* fair to good pale, 27*s.* 6*d.* to 29*s.* 6*d.* Cuban was in demand, 198 packages selling at easy rates for good quality, including fair to good brown liquid at 27*s.* to 32*s.* 6*d.*; middling ditto, 22*s.* to 25*s.*; pale set in cases, 30*s.*; casks, 28*s.* down to 24*s.*, as to quality; fermented, 10*s.* to 15*s.* Four packages St. Vincent sold at 24*s.* 6*d.* for dull brown, and four barrels Curaçao realised 24*s.* 6*d.* to 25*s.* per cwt.

IPECACUANHA.—Steady, two bales of fair bright Matto Grosso selling at 13*s.* per lb. Privately Cartagena is scarce at 12*s.* 6*d.*, and Johore is obtainable at 13*s.* per lb. The landings in London during August were 18 packages Matto Grosso and 40 East Indian, while the deliveries were 11 Matto Grosso, 17 Cartagena, and 24 East Indian. The stock on August 31 was 166 Matto Grosso, 2 Minas, 12 Cartagena, and 28 East Indian, against 185, 2,132, and 97 packages. These figures do not, of course, include last week's arrivals of 83 bales Brazilian.

JALAP.—A lot of 18 bags small to medium fair rather wormy Vera Cruz (no test) sold without reserve at 6¼*d.* to 6½*d.* for sound and 4½*d.* to 5*d.* for sea-damaged.

KOLA.—Seven bags of good bright African (from Zanzibar) sold at 6½*d.*, and two bags sea-damaged went at 5½*d.* Eleven bags Ceylon realised 6½*d.* to 6¾*d.* for dull bold to good bright small; 67 bags catalogued were not landed in time.

LIME OIL.—Six cases good Dominica distilled sold at 7*s.* 6*d.* per lb.

LINALOL OIL.—Seven cases Mexican were bought in at 8*s.* 6*d.*

NUX VOMICA.—The landings in London during August were 559 packages, and the arrivals 189; the stock on August 31, 1915, was 2,310 packages, against 6 in August 1914.

OLIBANUM.—Six cases fair reddish drop had been sold privately. A bid of 19*s.* is to be submitted for 9 cases of siftings, the limit being 20*s.*, and for fair pale drop 41*s.* was wanted.

QUILLAIA.—A lot of 100 bags was bought in at 57*s.* 6*d.* for cut and 52*s.* 6*d.* for crushed.

QUINCE-SEED.—Eight bags of fair Cape were held firmly at 2*s.* 2*d.* per lb.

RHUBARB.—Quiet. Three cases of Canton pickings sold at 2*s.* 2*d.* per lb. Four cases of bold round Shensi with three-quarters good pinky fracture had been sold privately; the limit for further lots was 5*s.* 6*d.* per lb. The landings in London during August were 319 cases, and the deliveries 31 cases; the stock at the end of August was 901, against 551 cases; there is also a stock of 2,393 bags Chinese rhapontica, against 2,377 bags last year.

ROSIN.—Fourteen casks AA sold for account of whom it may concern at 11*s.* 6*d.*

SARSAPARILLA.—A large quantity of grey Jamaica offered, but nothing sold, the limits being from 1*s.* 9*d.* to 2*s.*, as to quality. Two bales of fair red Native Jamaica sold at 1*s.* 1*d.*, and dull pale and red mixed sold at 10*d.*; for sea-damaged, mixed colours, 9*d.* is to be submitted for two bales. Of Honduras 15 serons offered, of which the sound was obtainable at 1*s.* 7*d.* The landings in London during August were 150 bales and the deliveries to 96; the stock on August 31 was 134 bales, against 127 in 1914.

SENNA.—Although very scarce, recent high prices for Tinnevelly were not maintained to-day, 43 bales selling at 8*d.* to 8¾*d.* per lb. for good small to medium greenish leaf, 7½*d.* for good green slightly sea-damaged, 7*d.* for middling greenish, and 4*d.* to 4¼*d.* for fresh water damaged. A further 14 bales inferior yellowish mixed with dark sold at 4*d.* to 5¼*d.*, subject, siftings going at 3*d.* Two cases good green whole Alexandrian leaf, all that offered, were bought in at 2*s.* per lb. The landings in London during August were 271 packages and the deliveries 395, leaving a stock on August 31 of 598, against 566 and 1,324 packages at the corresponding periods of 1914 and 1913 respectively.

WAX, BEES'.—Extremely quiet. Jamaica was held at from 8*l.* to 8*l.* 5*s.*, as to quality, no business being done. Other bought-in lots comprised 4 bags fair West African block at 7*l.*; 38 bales fair Portuguese at 7*l.* 5*s.*; 24 bags of Bombay wax from Alexandria sold at 6*l.* 10*s.* per cwt. Some sales of bleached Calcutta had been made privately, and further lots of good white were obtainable at 9*l.* per cwt.

VALERIAN.—At auction 40 bales thin Japanese were bought in at 67*s.* per cwt. Privately sellers of Belgian quote 95*s.*

AMERICAN advices report the chemical-market as still "chaotic"; foreign countries continue to pour in their orders, and prices in many instances have risen to almost unbelievable points, and each purchase means a further advance. We are now getting to the point where certain chemicals, ordinarily in good supply, can be bought in insignificant quantities only.—*Chas. L. Huisking's Market Report (August 25).*

Heavy Chemicals.

Manchester, September 8.

There was a good inquiry for all classes of heavy chemicals, and in some cases it is difficult to meet deliveries against contracts, while for outside requirements there is only a very limited quantity at the disposal of producers. Only very small quantities are offering from the U.S.A., and there have been no arrivals to note at this port during the past week. From other sources also deliveries have been meagre in the extreme. Prices in this particular

department do not show any change, but caustic soda is a shade firmer. Sulphate of copper has ruled higher at 27*l.* 10*s.* to 28*l.* per ton, delivered Manchester. Permanganate of potash is lower at 290*s.* per cwt. The recent advance in white powdered arsenic is well maintained. Cream of tartar shows little change, but oxalic and tartaric acids are about ½*d.* per lb. lower; citric unchanged. Sulphur quiet. Coal-tar products rule dull. Sulphate of ammonia is easier at 13*l.* 17*s.* 6*d.* per ton London, 14*l.* 7*s.* 6*d.* Hull, 14*l.* 12*s.* 6*d.* to 14*l.* 15*s.* Leith, and 14*l.* 2*s.* 6*d.* to 14*l.* 5*s.* on rails, Manchester. Carbolic acid and benzols are nominal.

Arrivals of Chemicals, Drugs, etc.

During the period September 1 to 7, inclusive, the following produce from the places mentioned in parentheses has arrived at the English ports stated. Goods in transit are not included. The figures denote packages where not specifically described:

To London.

Acetic acid (N. York) brls. 285, (Rotterdam) hlns. 203, cks. 8
Acetone (Philadelphia) dms. 1,395
Acetone oil (Philadelphia) dms. 40
Ajowan-seed (Madras) 31
Albumen (China) cs. 383
Alcohol, wood (Philadel.) dms 57
Ammon. phos. (N. York) brls. 104
Anise oil star (H.-Kong) cs. 55
Annatto-seed (Java) 63
Antimony ore (Chile) pkgs. 8,398, (Melbourne) bgs. 4,233
Arachis oil (Rotterdam) cks. 440
Argol (C. Town) bgs. 43, (Lisbon) 105
Arrowroot (Trinidad) brls. 99
Balsams (Cartagena, etc.) cs. 207, (Puerto Colombia) bxs. 10
Barytes (Philadel.) 96
Bleaching-powder (Philadel.) dms. 510
Buchu (Mossel Bay) 25
Calcium borate (Antofagasta) 6,270
Calcium carbide (Gothenburg) dms. 1,000, (Skien) dms. 30
Camphor, ref. (Kobe) cs. 60, (Batavia) cs. 100
Canary-seed (Morocco) 9,884
Caraway-seed (Amsterdam) bgs. 175
Cardamoms (Tellicherry) 24
Cascara sagrada (Frisco) 41
Cascin (Bordeaux) 52, (La Pallice) 398
Castor oil (Marseilles) cs. 13, cks. 20
Cellulose acetate (Treport) cks. 15
Chemical prod. (Paris) cs. 5, (Treport) cs. 6, (Montreal) cs. 47
Chemicals and drugs (Boulogne) pkgs. 36
Cinnamon and chips (Colombo) 320
Citric acid (Philadel.) kgs. 100
Coca-leaves (Java) bls. 40
Cochineal (Pisco) 10
Coconut oil (Cochin) pkgs. 405, (Marseilles) cks. 156
Cod-liver oil (Rotterdam) cs. 275
Coriander-seed (Morocco) pkgs. 4,815
Cumin-seed (Morocco) 242
Drugs (Boulogne) cs. 21, (N. York) cs. 66
Essential oils (N. York) cs. 10, (Amsterdam) cs. 6, (Philadelphia) cs. 10, (Malaga) cs. 11
Farina (Amsterdam) bls. 26
Fenugreek-seed (Morocco) 1,824
Fig syrup (Philadel.) cs. 2,300
Formaldehyde (N. York) brls. 44
Gelatin (Marseilles) cs. 20
Gums, undescribed (Morocco) bgs. 77, (Amsterdam) 217, (Bordeaux) 10, (Adelaide) bgs. 2,074
Honey (Havre) cks. 15, (S. Francisco) cs. 1,427
Illippe oil (Marseilles) brls. 125
Indigo (Calcutta) cs. 23, (Madras) 125
Insect-flowers (Kobe) cs. 25
Iodine (Chile) brls. 117
Kola (Trinidad) bgs. 29, brls. 3
Lead acetate (Rotterdam) cks. 200
Lemongrass oil (Cochin) dms. 14, (Marseilles) pkgs 63
Lime-juice (Trinidad) hds. 12, cks. 191
Lime-juice cordial (Trinidad) pps. 47, hds. 5
Lime oil (Trinidad) cs. 17, cbys. 2; *otto of limes* cs. 4
Linseed (Morocco) bgs. 1,890, (Calcutta) 34,657, (B. Ayres) bgs. 3,705
Liquorice-juice (Marseilles) cs. 60
Mace (Penang) cs. 16
Magnesite (Madras) 222, (Rotterdam) 250
Menthol (Japan) cs. 25
Milk-sugar (Amsterdam) 200
Mineral waters (Marseilles) crts. 500, cs. 460, pkgs. 1,420
Mint oil (Japan) cs. 40
"Mint oil and menthol" (Japan) cs. 170
Nutmegs (Penang) cs. 10
Nux vomica (Saigon) bgs. 467
Olibanum (Aden) cks. 46
Olive oil (Marseilles) cks. 12, brls. 150, (Tarragona) brls. 17, (Malaga) brls. 115
Orris (Saffi) 13
Papain (Colombo) cs. 10
Perfumery (Boulogne) cs. 6
Potash prussiate (Marseilles) cks. 19
Quinine (Amsterdam) cs. 109
Roots, barks, herbs, etc. (Marseilles) bls. 209; *roots, powd.* bls. 70; *dried leaves*, hls. 15; *medicinal leaves* (Madras) 20
Rosin (Bordeaux) cks. 1,265
Saccharin (Paris) cs. 20
Sal acetos (Frederikstad) kgs. 60
Saltpetre (Calcutta) bgs. 732
Shellac (Calcutta) 1,025; *button* 74
Soda nitrate (Chile) bgs. 24,064
Soda oxalate (Treport) cks. 30
Sodium metal (Christiania) cs. 57
Soya-bean oil (Moji) cs. 300
Styrax (Marseilles) cs. 6
Tamarinds (Calcutta) cks. 25, (Trinidad) brls. 9
Tartar (Marseilles) bgs. 274, (Alicante) 569
Valerian-root (Japan) 32
Vanilla (Colombo) pkgs. 7, (S. Frisco) cs. 37
Wax, bees' (Morocco) pkgs. 315, (Calcutta) cs. 25, (Lisbon) pkgs. 54, (Chile) 38, (Beira) pkgs. 38
Wine-lees (Alicante) 629, (Marseilles) 246
Zinc oxide (Rotterdam) 415

To Liverpool.

Albumen (Shanghai) cs. 61
Arrowroot (Trinidad) brls. 133
Calcium acetate (N. York) pkgs. 3,547
Calcium borate (Chile) bgs. 10,728
Caraway-seed (Rotterdam) 215
Chemical prod., drugs, etc. (N. York) pkgs. 36, (Havre) cs. 19
Chillies (W.C. Africa) bgs. 150
Cochineal (Canary) 22
Cream of tartar (Bordeaux) cks. 10
Drugs, etc. (Havre) pkgs. 143, (N. York) cs. 93
Formaldehyde (Boston) brls. 55
Glycerin (Havre) cks. 40
Honey (Trinidad) cs. 255
Iodine (Tocopilla) hrls. 250
Kola (Trinidad) bgs. 7
Lime-juice (Trinidad) cks. 332
Linseed (B. Ayres) bgs. 11,797
Liquorice-juice (N. York) cs. 85
Lithopone (Rotterdam) 80
Magnesite (Limni) tons 2,930
Medicines (N. York) bxs. 217
Mineral waters (Rouen) cs. 600
Olive oil (Bordeaux) cs. 53
Palm-kernels (W.C. Africa) bgs. 20,918
Palm oil (W.C. Africa) cks. 577
Potash carb. (N. York) cks. 3
Potash salts (N. York) cs. 14
Quillaia (Chile) bls. 356
Soda nitrate (Iquique) bgs. 10,357
Soya-bean oil (Kobe) brls. 200
Spices (Trinidad) brls. 83, cs. 44
Tamarinds (Trinidad) brls. 33
Wax, bees' (Chile) 14
Wax, carnauba (Bahia) 183
Zinc oxide (N. York) 500

To Manchester.

Acetate of lime (Gothenburg) bgs. 410
Antimony salts (Rouen) cks. 22
Carbon black (Boston) cs. 220
Cream of tartar (Bordeaux) cks. 10
Phosphorus (Montreal) cs. 200
Soda acetate (N. York) brls. 199
Soda prussiate (Rouen) cks. 16

To Bristol.—Glucose (N. York) brls. 600; lime-juice (Jamaica) hds. 6; zinc oxide (Rotterdam) 17. *To Folkestone.*—Perfumed spirits (Boulogne) cs. 2; perfumery (Boulogne) pkgs. 123. *To Goole.*—Canary-seed (Seville) bgs. 259; magnesite (Rotterdam) bgs. 63; olive oil (Seville) brls. 155. *To Grimsby.*—Ammon. nit. (Skien) cks. 494; chemical prod. (Dieppe) hrls. 7; dyes (Dieppe) pkgs. 493; soda nitrate (Skien) cks. 66. *To Hull.*—Caraway-seed (Rotterdam) 20; castor-seed (Bombay) 6,194; chemical prod. (Dunkirk) bgs. 150; drugs (Amsterdam) bls. 11; essential oils (Amsterdam) cs. 21, cby. 1, drm. 1; formic acid (Rotterdam) cbys. 150; glycerin (Amsterdam) dms. 110; herbs (Marseilles) bls. 9; lemon oil (Messina) cs. 8; linseed (Bombay) bgs. 3,371; lithopone (Rotterdam) cks. 120; liquorice-juice (Naples) cs. 15; orange-oil (Messina) ½ cs. 8; palm-kernels (Matadi) bgs. 1,116; potash carbonate (Christiania) cks. 34; potash caustic (Christiania) cks. 20; rape-seed (Bombay) 1,793; sodium metal (Christiania) bxs. 12; storax balsam (Marseilles) cs. 59. *To Southampton.*—Chamomiles (St. Malo) pkgs. 20; drugs (Cherbourg) cs. 6; rhubarb (Havre) 3.

Continental Drug and Chemical Markets.

Ergot in active demand again, and Russian is offered at m.650 and Spanish at m.675 per 100 kilos. The quantity offered has greatly increased, and from so many sources of origin that the prices vary considerably. In general the market prices lie between m.600 and m.650 per 100 kilos., but it is even possible to obtain ergot of German and Austrian origin at m.450.

Gamboge is unchanged at from m.590 to m.650 per 100 kilos., as to quality.

Hydrastis is offered at m.60 per kilo. The existing stocks are sufficient to meet the demand.

Ipecacuanha.—For Cartagena from m.39 to m.40, and for Rio from m.42 to m.44 is asked and paid.

Jalap is very cheap, as there is practically no demand. Fair druggists' is offered at from m.130 to m.150 per 100 kilos.; 10-per-cent. is at from m.175 to m.200. Jalap containing a large quantity of resin is dear, however—namely, from m.350 to m.375 per 100 kilos.

Lead (White) has been advanced by m.3 per 100 kilos. by the German Cartel, in consequence of the advance of the prices of crude.

Lithium Carbonate has advanced by m.10 per kilo., in consequence of the advance in raw material. Pure lithium carbonate costs from m.25 to m.26 per kilo.

Lycopodium is offered in vain at m.620 per 100 kilos. in bags and m.630 in cases.

Oils (Essential).—*Star-anise* is lower at m.13.50. *Cassia* is unchanged. *Clove* is offered at m.20. *Eucalyptus* is to be had at m.5. *Linalol* is offered at m.33. *Menthol* is easier at m.31 per kilo. Japanese *Mint oil* is still quoted at m.13.50; the demand has slightly increased. Siberian *Pine-needle* is easier at m.3.75. American *Peppermint oil* is cheaper in consequence of the large offerings of Japanese mint oil; first Wayne County is offered at m.33, H.G.H. at m.22, and *Todd's* crystal-white at m.21 per lb. Prices are expected to become lower still, as the stocks are rather large and the demand diminishes. Large quantities of Japanese *Mint* oil have been sold of late at m.13.

Paraffin is offered at m.140 for m.p. 50° to 52°, and at m.147.50 per 100 kilos. for m.p. 58° to 60°.

Quillaia is firm. Whole bark is obtainable at m.180 and cut at from m.195 to m.200.

Shellac has been asked for in large quantities again, and considerable sales have been made. TN is quoted m.240 per 100 kilos; stocks of AC Garnet and "lemony" kinds in Hamburg are practically all cleared now. AC Garnet has been sold at from m.275 to m.280, and paler lacs at from m.300 to m.320 per 100 kilos., according to quality. A further advance is expected, especially as the prices quoted by neutral countries are very high. Sticklac has not yet advanced and Siam is still to be had at m.185 and Tonkin at m.170 per 100 kilos.

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Correspondence

Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

Sheep-dipping and the C.D.A.

Sir,—"Agricola's" remarks with reference to liabilities for sheep-dipping accidents are certainly very pertinent and merit every consideration. I maintain that conditions have now altered, and that the Black *v.* Elliott case does not stand as a precedent. As the Board of Agriculture now require all dips to be approved, the onus of any untoward result is taken out of our hands. When complaints have been made to me I have always set up the plea that now the Board of Agriculture have approved of my dip, and samples taken by inspectors have been passed, I am in no way liable, and have always required a veterinary surgeon to inspect and report upon any case. If any sheep have died it has always been that a fatty or watery heart has been the cause, and driving them too fast on hot, dry days while fleeces are heavy with the dip. Only a fortnight ago I had a claim made for loss of one lamb out of a flock of eighty. I soon spotted it as a case of blackmail, and required a certificate as to the cause of death; and when the party found I was not to be bled he had the lamb sent to be examined, and a bad heart was found to be the cause, and so the affair was settled. I could cite several similar cases, but all fell through when I stood on my defence. I have also referred them to Clause 12 of the Sheep-dipping Order where the local authority determines responsibility

With regard to "Agricola's" suggestion of a defence fund, this is a suggestion I made some years ago, after an unfortunate experience with lamb-drinks in which I was the innocent victim, but there was not then sufficient response to the appeal. Probably another attempt will have better results, and I certainly agree an effort should be made so as to put us on a sounder footing in this class of business.

Yours truly,

Phœnix. (E220/14.)

Sir,—I have read with interest the letters on the subject of a Veterinary Section of the Chemists' Defence Association which appeared in your issues of August 28 and September 4. In reply to your correspondents, whom I thank for their suggestions, may I very briefly state the facts?

On two different occasions during the last five or ten years I have, by request of the directors of the Chemists' Defence Association, communicated with all chemists in business on their own account in the United Kingdom, pointing out to them that veterinary risks were not covered by the C.D.A. subscription, and (owing to the heavy risks) could not be covered for such a small amount. At the same time I asked for the names of those who would care to join a Veterinary Section of the Association if it were formed. On both these occasions the response was so poor that the directors abandoned the idea. It was again taken up, however, and a proposal was sanctioned by the annual meeting of the Association on July 14, 1914, whereby, if 250 members of the Association intimated their willingness to join a Veterinary Section, it was to be proceeded with on certain lines. Full particulars of the proposal were published at the time in The Chemist and Druggist, and I need only recall the principal points—namely, that benefits would be available only to those chemists who were members in benefit for the time being of the C.D.A. main section, and that extra subscriptions would be at the rate of 7*s.* 6*d.* per annum to cover veterinary claims up to 100*l.*, 10*s.* 6*d.* up to 200*l.*, and 21*s.* up to 500*l.* I was instructed to get full details printed and sent to all members, and the circular had been prepared and, I think, actually set up in type when the war broke out. The directors thereupon discussed the advisability of proceeding with the scheme at such a time, and as they judged that the majority of our members would not care to take on extra responsibilities in the midst of the uncertainties of war, they felt sure that a vote taken at such a time would not give a fair indication as to what would happen in normal times, and they therefore, in my opinion rightly, decided to postpone the plebiscite until the restoration of peace.

Your correspondents will see from the above that the matter has not been shelved—only postponed. The directors wish to make the new section a success if it is formed at all, and to do that they must make the start under the most favourable circumstances possible, especially in view of previous experience. Your readers will do well to postpone writing to me on the subject (as suggested by one of the letter-writers) until they are approached direct, when official cards will be sent to them.—Yours faithfully,

184-185 Temple Chambers, E.C. W. Johnston.

Local Insurance Pharmacopœias.

Sir,—The position and authority of local Formularies appears to be misunderstood. An Insurance Committee has no right under the regulations to issue such, and therefore has no power to enforce any recommendations embodied therein. The Panel Committee *only* is permitted to produce and issue a Formulary. This, at the most, is a list of stock mixtures with various other matter calculated to be of use to the general practitioner as a guide to reasonable and economical prescribing; it cannot compel the panel doctor either to use the stock mixtures or to follow the advice given; much less does it justify the dispenser in using what, according to the Formulary, may be regarded as a therapeutical equivalent even when this is chemically identical. The Panel Committee is aware of the hazy ideas the general practitioner has of equivalents for well-known proprietaries, and it is to help the busy doctor to overcome his difficulties that the lists of equivalents are included in the local Formulary—*i.e.*, it is merely a help and guide, and not an instruction. It follows from this that the chemist must dispense what is ordered (other than a non-listed appliance or a food), and the Insurance Committee *must* pay for the prescription. If excess cost is imposed on the Drug Fund, a point on which the Formulary may afford material evidence, then the practitioner can be surcharged, and the operation of surcharging need not be difficult. Providing the Pharmaceutical Committee does its duty without loss of time the whole can be accomplished in from six to eight weeks. Yours faithfully,

J. Denton.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Insurance Dispensing.

Panel Chemist (220/14) writes: "An Insurance prescription presented last week was for a 48-oz. mixture containing, among other things, 3 oz. of potassium iodide and 5 oz. of compound infusion of gentian (conc.). Discounting and a 3*d.* dispensing-fee leave little for drugs," says our correspondent.

Dyeing Sandbags.

S. (218/13) writes: "One of the most urgent needs of our Army is a good supply of sandbags. Letters from the Front state that these should not all be of the same colour. Can one of your readers suggest a cheap but effective dark stain?"

[We think that dipping the bags in a hot solution of cutch would sufficiently tone down the colour of the jute for the purpose.—Editor.]

Magic Mirrors.

J. D. C. (219/63), referring to an answer given in the *C. & D.*, September 4, writes: "I note you state that magic mirrors are made by using soap as an ink. I have always understood they were made by using a piece of lump French chalk (soap-stone), made in the form of a pencil and pointed. When a picture or writing is done with this, and rubbed lightly to take off the powder, the image appears when the glass is breathed on."

Turpentine Liniment.

The following is an interesting variant on the catchy B.P. and other methods of preparing this liniment. It is direct, simple, and, I believe, not likely to give unnecessary trouble:

1. Dissolve the camphor in the turpentine and set aside.
2. Break up the soap in a mortar and dissolve with all the water (preferably warm); strain through muslin into a 20-oz. measure or jug.
3. Add the turpentine solution gradually to the above, stirring constantly with a rod. The emulsification begins immediately and is maintained to the end of the operation, which need not take more than one minute.

I have just prepared extemporally a small quantity of the above, using the soap-spirit (2:1) found in most pharmacies nowadays. To 1 dr. of this I added 2 dr. warm water in a 2-oz. measure, then added 6 dr. turpentine as directed above, and at once obtained the thick, creamy, and inseparable result which many chemists find it so difficult to realise.—*C.* (E91/51).

Dispensing Difficulties and Notes.

Readers are advised to consult "The Art of Dispensing" in regard to compounding difficulties. We welcome fresh problems and invite the co-operation and correspondence of dispensers in their elucidation.

Price of a Mixture.

F. J. W. (217/47) writes: "A good plan for pricing private prescriptions in war-time is N.H.I. Tariff+6*d.* dispensing-fee. 'C. P.'s' mixture at August prices (allowing 1½*d.* for bottle) works out at 2*s.* 6*d.* I am surprised at anyone doing it for half this figure."

Phenol-pills.

M. P. S. (218/53) asks if we can suggest any method of making the pills according to the subjoined prescription. He sent out two pills for one dose, and even then they were rather soft:

Ext. cannab. ind.	gr. ½
Acidi carbolici	gr. iss.
Cocain. hyd.	gr. ¼
Ext. gelsem.	gr. ¼

Fiat pil. tales xij.

[Place the carbolic acid with 9 gr. of white beeswax in a small, wide-mouthed phial, and stand in hot water till melted, then hold under a cold-water tap till the mixture solidifies. Scrape out and mix with the other constituents, adding from 9 to 15 gr. of powdered liquorice-root, according to the condition of the extracts and the temperature. In this way an excellent pill is produced, equal in size to a 3-gr. pill, and the weight at most is not more than 4 gr.]

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1915, beginning on page 405.

Sparkola (218/28).—We are astonished to learn that neither the rectifiers from whom you obtain your spirit nor the Revenue authorities of your district are aware that it is possible for you, as users of rectified spirit for medicinal purposes, to obtain drawback of 1*s.* 6*d.* per proof gal. provided by the Finance Act, 1915, Section 2 (*b*). We were under the impression that we had explained this *ad nauseam*. For the conditions, see *C. & D.*, June 5, p. 48, and June 12, p. 49.

Medico (214/16) wants to know if it is legal for a man who has no other qualification than the licence of the Society of Apothecaries to use the prefix Dr.—*e.g.*, Dr. Jones? [Except in the case of medical practitioners, who are doctors of medicine or hold some other recognised doctorate, the use by medical practitioners of the prefix "Dr." is not strictly legal or in accordance with meticulous etiquette, but has been sanctioned by usage in the case of licentiates of the Royal Colleges, and since the Apothecaries Act, 1907, was passed licentiates of the Society of Apothecaries are placed in the same category.]

A. M. (220/60).—"Epsom Salt" is the official synonym for magnesium sulphate and when Epsom salt is asked for from a pharmaceutical chemist in Ireland, or, in fact, any other person carrying on business in Great Britain and Ireland in virtue of his qualification under the Pharmacy Acts, he runs a great risk under the Sale of Food and Drugs Acts by supplying any magnesium sulphate which does not come up to the Pharmacopœia test for quality. If the purchaser of Epsom salt for veterinary purposes is particularly anxious to get a cheaper article, the law does not prevent a chemist selling such an article if the purchaser is made to understand at the time of his purchase that the article sold to him is not of the quality required by the British Pharmacopœia.

Codex (218/68) sold his business more than a year ago, allowing the purchaser to trade under his name. A few months after the sale the purchaser gave an order, in "Codex's" name, to a firm with which "Codex" had not dealt. The firm's account not having been paid, it ascertained "Codex's" address, and served him with a County Court summons, claiming payment for the amount due. The purchaser of the business has since paid the account. Is "Codex" entitled to take proceedings against the firm for damages, in view of the fact that the service of the summons is calculated to prejudice his reputation in the village in which he lives? [There is *prima facie* no disgrace in being made a defendant to civil proceedings, and, in our opinion, "Codex" has no ground for an action for damages against the firm.]

Miscellaneous Inquiries.

E. A. T. (218/22).—Luminous Paint for coating the hands of a watch is a difficult thing to prepare, and requires special knowledge of radio-active metals. Your best plan is to buy sufficient for your purpose from Mr. F. Harrison Glew, 156 Clapham Road, London, S.W., who supplies it at 5*s.* per grain for the radium paint, and 2*s.* 8*d.* per grain for the mesothorium paint. The minimum quantity supplied is 10 gr

F. R. E. (218/62).—Books on Explosives.—See *C. & D.*, August 14, p. 72.

J. R. (215/70).—Dilution of Alcohol.—The most recent book on alcoholometry is Professor Thorpe's, which was reviewed in the *C. & D.* Summer Issue, July 31, p. 143. From the tables given there one is enabled to take any volume of an alcohol of a specific gravity above proof and reduce it to the percentage required. Suitable rules for the dilution of the alcohol are given in the *C. & D. Diary*, 1914, p. 192.

Marcus (206/68).—Metol-quinol Developer in Powder Form:

A.	Quinol	12 grams
	Metol	6 grams
	Potassium metasulphite	2 grams
	Sodium sulphite, anhydrous ...	35 grams
B.	Potassium carbonate, dry ...	90 grams
	Potassium bromide	1 gram

One gram of A and 7 grams of B are required to form 150 to 200 c.c. of developer. In making up the separate powders into carton form the 7 grams of B is placed at the bottom of the glass tube; upon this a layer of paraffin-paper, and then 1 gram of A. The tube is closed with a cork, the cork and upper part of the package being finally dipped in melted paraffin wax to ensure the exclusion of air. Other varieties are made on the same lines.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Sept. 15, 1865.

The Birmingham Conference.

As at Bath, so at Birmingham, the British Pharmaceutical Conference advanced pharmacy, exposed adulteration, and promoted good-fellowship. The papers brought forward illuminated many dark spots in the domain of pharmacy, and revealed many untrodden paths of research. Some of them gave the results of investigations that must have occupied much time, yet their authors were busy men who could hardly be expected to devote their little leisure to the pursuit of science. With such a leader as Mr. Deane, who admitted that he derived his chief amusements from his own business, and such a band of earnest workers as we met last week, the Conference will increase in strength and importance every year. Our long report of the proceedings has left us little space for editorial remarks, but we cannot conclude this brief article without alluding to the warm welcome which the members from London and other places received from their Birmingham brethren. The attendance of the latter at the sittings of the Conference was not as good as we think it ought to have been, but the working members of the local Committee, headed by Mr. Dymond, did everything that could be done to lighten the labours of the Executive body, and to promote the comfort of their numerous visitors.

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- 1 "Every Smoker Needs" Card.
- 1 "Counter Tooth Brush Salesman."

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- 1 Coloured Showcard.
- 2 "Every Smoker Needs" Cards.
- 2 "Counter Tooth Brush Salesmen."

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- 2 Coloured Showcards.
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Hatrick, W. & R., & Co.
Hirst, Brooke & Hirst.
Hodgkinson, Prestons & King.
Hodgkinsons, Clarke & Ward.
Horner & Sons.
Huskisson, H. O., & Co.
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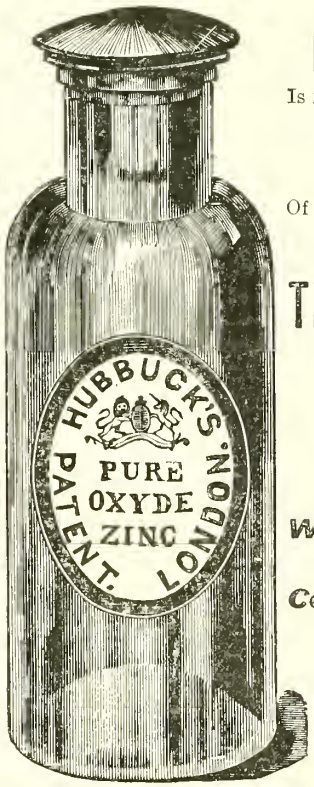

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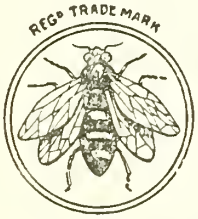

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Papain, 1-80, 1 oz. @ 2/3 oz.
Paraffinum Durum, B.P., 2 cwt. @ 3¼d. lb.; 1 cwt. @ 3½d. lb.; 56 lbs. @ 3¾d. lb.; 7 lbs. @ 4¾d. lb.; Molle Flav., B.P., 3½ cwt. @ 23/6 cwt.; 1 cwt. @ 33/- cwt.; 28 lbs. @ 4½d. lb.; 7 lbs. @ 5d. lb.; Alb. B.P., 3½ cwt. @ 66/- cwt.; 28 lbs. @ 9d. lb.
Paraldehyde, B.P., 7 lbs. @ 13/6 lb.; 1 lb. @ 13/9 lb.
Pepsin, B.P., 1 lb. @ 12/- lb
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Phenazone, P.B., 1 lb. @ 45/- lb.
Phenolphthalein, 1 lb. @ 21/6 lb
Pix. Burgund., Druggists', 1¼ cwt. @ 26/6 cwt.; 7 lbs. @ 4¾d. lb.
Plumbi Acetas, Druggists', 1 cwt. @ 70/- cwt.; 7 lbs. @ 8½d. lb.; Powder, 1½d. lb. extra.
Podophyll. Resina, P.B., 1 lb. @ 15/6 lb.
Potassa Caustica Sticks, P.B., 1-lb. Bots. @ 3/- lb.
Potas. Acetas. Gran. P.B., 28 lbs. @ 2/- lb.; 7 lbs. @ 2/2 lb.
Potas. Bicarb. Pulv., 7 lbs. @ 10½d. lb.
Potass. Brom. P.B., 7 lbs. @ 11/- lb.
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Potass. Cit. B.P., 7 lbs. @ 4/3 lb.
Potass. Cyanidum, 98%, 7 lbs. @ 3/- lb.
Potass. Iod., P.B., 14 lbs. @ 14/9 lb.; 3 lbs. @ 16/- lb.
Potass. Metabisulph., 7 lbs. @ 1/3 lb.
Potass. Permang., Cryst., 7 lbs. @ 3/3 lb.; large cryst., 7 lbs. @ 3/6 lb.
Potass. Prussias Flav., 7 lbs. @ 2/7 lb.
Pulv. Cretæ Arom. P.B., 14 lbs. @ 7d. lb.; c. Opio, B.P., 7 lbs. @ 1/9 lb.
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 62/6 cwt.
Pulv. Ipecac. Comp. P.B., 1 lb. @ 5/9 lb.
" Jalap Comp. P.B., 1 lb. @ 1/9 lb.
" Rhei Comp. P.B., 1 lb. @ 1/4 lb.

Quassia Chips, 1 cwt. @ 35/- cwt.; 28 lbs. @ 4½d. lb.
Quinine Bisulph., 25 oz. @ 1/10 oz.; 10 oz. @ 1/10½ oz.
Quinine Etbyl Carb. (Tasteless), 10 oz. @ 3/10 oz.
Quinine Hydrobromas, B.P., 25 oz. @ 2/6 oz.; 10 oz. @ 2/7 oz.
Quinine Hydrochlor., B.P., 25 ozs. @ 2/6 oz.; 10 ozs. @ 2/7 oz.
Quinine Sulph., B.P., 100 oz. @ 1/9 oz.; 25 oz. @ 1/10½ oz.; 10 oz. @ 1/11 oz.

Rad. Gentian, English Ground, 1 cwt. @ 47/6 cwt.; 7 lbs. @ 6d. lb.
Rad. Glycyrrh. Englisb Ground, 1 cwt. @ 42/- cwt.; 7 lbs. @ 5d. lb.
Rad. Ipecac. Rio., 7 lbs. @ 14/6; 1 lb. @ 15/-.
Rad. Jalap, English Ground, 28 lbs. @ 1/6½ lb.; 7 lbs. @ 1/8 lb.
Rad. Rbei., E.I., Englisb Ground, 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.
Rad. Rhei., E.I. Trimmed, 7 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
Resorcin, B.P., 1 lb. @ 29/- lb.

Saccharine, 7 lbs. @ 36/6 lb.; .550 or .500 1 lb. @ 37/6 lb.; .330 7 lbs. @ 34/- lb.; 1 lb. @ 35/6.
Sacchar. Ust., 1 cwt. @ 34/- cwt.; 10 lbs. @ 5d. lb.
Saffron Valentia, B.P., 7 lbs. @ 44/- lb.; 1 lb. @ 46/- lb.; 1 oz @ 3/3 oz.
Sal. Acetos., 7 lbs. @ 1/6 lb.
Salicinum, B.P., 1 lb. @ 22/6 lb.
Salol, B.P., 1 lb. @ 27/- lb.
Sang. Draconis, pulv., English Ground, 7 lbs. @ 2/6 lb.
Santoninum, P.B., 16 oz. @ 185/- lb.
Sapo Cast. Alb., 10 cwt. @ 34/6 cwt.; 2 cwt. @ 36/6 cwt.; 7 lbs. @ 5d.; pulv., 1 cwt. @ 82/- cwt.; 56 lbs. @ 85/- cwt.; 7 lbs. @ 10d. lb.; Animal pulv., 1 cwt. @ 70/- cwt.; 56 lbs. @ 72/- cwt.; 7 lbs. @ 9d. lb.
Scammony Resin, Pulv., B.P., 7 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
Shellac (Orange), 1½ cwt. @ 75/- cwt.; 7 lbs. @ 9½d. lb.
Soda Caustica, 28 lb. tins @ 1/2 lb.; 6 1-lb. bots. @ 1/4 lb.
Soda Cit., B.P., 3 lbs. @ 4/2 lb.
Soda Sulphite, Recryst., 1 cwt. @ 23/6 cwt.; 7 lbs. @ 4d. lb.
Soda Sulphocarbolas, B.P., 7 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
Sodii Bromid., P.B., 7 lbs. @ 11/- lb.
Soda Hyposulphite, pea cryst., 1 cwt. @ 25/6 cwt.
Sodii Salicyl. Pulv., 2 lbs. @ 17/3 lb.
*Spt. Æther Nit., P.B., 4½ lbs. @ 4/3 lb.; 1 lb. @ 4/7 lb.
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* " Chloroform, P.B., 5 lbs. @ 3/11 lb.
Strontiæ Bromid., 7 lbs. @ 5/- lb.; 1 lb. @ 5/6 lb.
Strychnina Cryst. B.P., 4 oz. @ 2/8 oz.; Hydroch. and Sulphate, 2d. oz. less.
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Sulphonal, P.B., 1 lb. @ 26/6 lb.
*Syr. Aurant. P.B., 7 lbs. @ 11d. lb.
* " Easton, B.P., 7 lbs. @ 1/2½ lb.
* " Ferri Iodid. P.B., 7 lbs. @ 1/6 lb.
* " Ferri Phosph. Co., 7 lbs. @ 7d. lb.
* " Hypophosph. Co., B.P.C., 7 lbs. @ 1/- lb.
* " Pruni Virg. B.P., 8 lbs. @ 9d. lb.
* " Rhamni, 7 lbs. @ 11½d. lb.
* " Rhei, P.B., 7 lbs. @ 9½d. lb.
* " Scillæ, P.B., 7 lbs. @ 6½d. lb.
* " Sennæ, P.B., 7 lbs. @ 10d. lb.
* " Tolut, P.B., 7 lbs. @ 9d. lb.

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Tinct. Aurantii Recens., B.P., 5 lbs. @ 4/- lb.; bond, 8½d.; Aquos, 11d. lb.
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*Tinct. Hyoscyam., B.P., 5 lbs @ 4/- lb.; bond, 7½d. lb. Aquos, 1/10 lb.
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*Tinct. Myrrhæ, B.P., 5 lbs. @ 4/2 lb.; bond, 9¾d. lb.
*Tinct. Nucis Vom., B.P., 5 lbs. @ 3/2 lb.; bond, 9d. lb. Aquos, 1/3 lb.
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*Tinct. Quininæ Amm., B.P., 5 lbs. @ 3/1 lb.; bond, 1/0½d. lb.
*Tinct. Rhei Co., B.P., 5 lbs. @ 2/3 lb.; bond, 10½d. lb. Aquos, 1/1 lb.
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*Tinct. Valerianæ, 5 lbs. @ 3/3 lb.; bond, 8d. lb. Aquos, 1/2 lb.
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" Hydrarg. Ammon., B.P., 28 lbs. @ 1/4 lb.; 7 lbs. @ 1/7 lb.
" Hyd. Nit. Dil., 7 lbs. @ 1/- lb.
" Paraff. Alb., P.B., 28 lbs. @ 8½d. lb.; 7 lbs. @ 9½d. lb.; 1 lb. @ 11½d. lb.; Flav. 28 lbs. @ 6½d. lb.; 7 lbs. @ 8d. lb.
" Resinæ, P.B., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.
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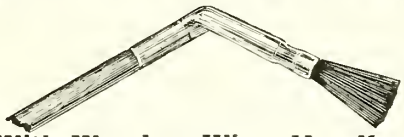

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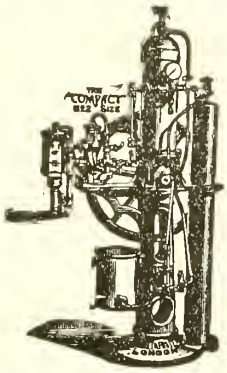

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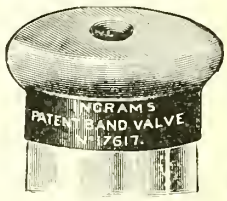

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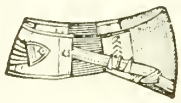

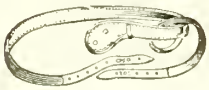

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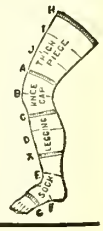

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33 ROUNDCROFT STREET, BOLTON, ENGLAND.

HOT WATER BOTTLES

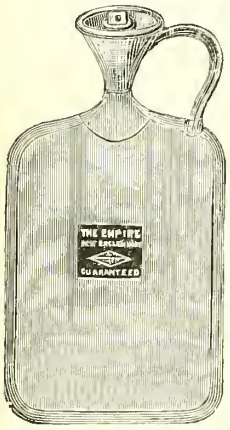


FIG. 957—**Side Handle.**

BRITISH MAKE.

The "EMPIRE" Brand

Made in Two Weights, but One Quality only—THE BEST.

Guaranteed for 2 years.

Top, or side handle — Sizes	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Heavy weight ... ... each	3 0	3 3	3 6	3 9	4 1	4 8	4 11	5 3
Light ... ... ,,	2 11	3 1	3 4	3 6	3 10	4 3	4 7	4 10
Cockburn's shape .. ... ,,	3 0	3 3	3 6	3 10	4 2	4 8	4 11	5 3
Covers, scarlet or grey plush ,,	0 8	0 8	0 10	0 10	0 11	0 11	0 11	1 0
,, ,, ,, felt ,,	0 6	0 6	0 7	0 7	0 8	0 8	0 9	0 11

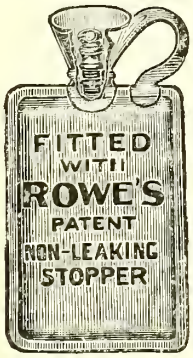
5% discount allowed for prompt cash off above prices. Carriage paid on Orders of £2 and upwards to any town in the United Kingdom.

We are the right House for BRITISH-MADE GOODS—Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber and Vulcanite Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, LTD.,

91 & 92 GREAT SAFFRON HILL, LONDON, E.C.



ROWE'S
PATENT STOPPERS

double the selling value of Hot-Water Bottles,

YET

a bottle fitted with Rowe's Patent Stopper costs exactly the same as one fitted with the old-fashioned leaky stopper.

To Show it is to Sell it

BECAUSE

"It needs no argument to convince a user that a Bottle fitted with this Stopper is what people want."

The "Chemist and Druggist," 27/2/1915.

SUPPLIED TO THE WAR OFFICE. Obtainable everywhere.

Chymol

TO PHARMACISTS

Have you bought your stock of CHYMOL yet?

You are sure to be asked for it by your customers; and your local doctors will prescribe it for their patients. You should therefore be in a position to supply CHYMOL when ordered.

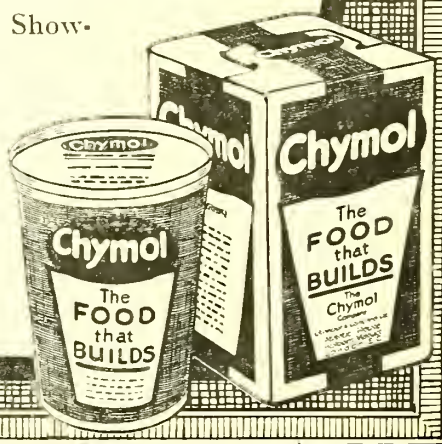
CHYMOL is a new food product, prepared under scientific supervision. It contains the necessary proportion of protein, carbohydrates and partly hydrolised fats. CHYMOL has proved of value in wasting diseases, and is a natural hæmatinic, as the hæmoglobin content averages ·95 %.

CHYMOL is issued in hermetically sealed, unbreakable vessels, packed in attractive cartons.

Write for the Analyst's Report, Show-cards, and advertising material.

P.A.T.A. Prices - 1/-, 2/6, 10/-
Trade Prices - - 9/-, 24/-, 96/-

ARMOUR & CO., Ltd., LONDON.



THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, SEPTEMBER 11, 1915

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. **Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London."** (Three words counted as two.)

BEST RESULTS EVERY WEEK!

That is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—PUTNEY (Within Easy Distance of).—Established Business, chiefly ready money, and situate in busy main thoroughfare; returns £1,800; excellent sale for own Proprietaries; attractive shop, double-fronted; terms, goodwill £50, stock and fixtures at valuation.

2.—HYDE PARK.—Well-established Business, Retail and Dispensing, situate in busy main thoroughfare; returns over £2,000; *net profit* £500; lease 21 years; ill-health cause of sale; references will facilitate business.

3.—LONDON, S.W.—Retail and Dispensing Business; returns show a steady increase and are now about £1,300, *with net profit* £400; commodious residence; net rental £33; attractive, well-appointed shop; price about £1,000.

4.—LONDON, W. (Suburban).—Retail and Dispensing Business; all good middle-class trading; returns about £650 under manager; *net profit* £200; situate in a good position and capable of considerable increase under personal management; price £475.

5.—HAMPSTEAD.—Good-class Family, Retail, and Dispensing Business, with Photographic Sundries; returns £1,000, showing steady increase; handsomely fitted, double-fronted shop; price £450, less than the value of stock and fixtures.

6.—LONDON, N. (Main Market Thoroughfare).—Ready-money Business, chiefly small trading; returns between £900 and £1,000 per annum; *gross profit* 50 *per cent.*; moderate rent; price £350, or near offer.

7.—HOME COUNTY.—Vendor will accept £300 (about) for early release; old-established Business; returns £500, present rate; good residence, bath, etc., garden and stabling; net rental £15; excellent opportunity for young, energetic man with small capital at command.

8.—ON THE RIVERSIDE.—Good-class Retail and Dispensing Business; returns about £750, and capable of increase; prices above the average of retail trade; rent £34, sub-let £10; long lease; no opposition; offer wanted; illness cause of sale.

9.—GLOUCESTERSHIRE.—Mixed Business; established many years; returns between £700 and £800 per annum; *estimated net profit* £200; good residence, with garden attached stocked with fruit trees; rent £21 10s.; no opposition; terms, valuation; part payment entertained.

10.—LINCS.—The value of stock and fixtures, plus £100 premium, will secure a Mixed Country Business returning £1,800 per annum; part payment entertained.

11.—AGRICULTURAL TOWN.—Good Country Business; returns, present rate, about £1,350 per annum, at fair prices; rent £40; lease if desired; price £900; part payment.

12.—SURREY HILLS.—Good-class Business; returns, present rate, £2,000, at fair prices; modern-fitted shop, fully stocked; terms, goodwill £125, stock and fixtures at valuation.

13.—HOME COUNTY.—Excellent Retail and Dispensing Business, *giving a clear net income of* £279; returns show a steady increase, present rate £20 per week; rent £28; held on lease; full investigation courted; price £750.

14.—MIDLANDS (Death Vacancy).—For immediate Disposal, old-established Business, Retail and Dispensing, with Photographic Sundries; returns £800 (formerly £2,000); well-fitted, double-fronted shop; large house; no reasonable offer refused; must be sold.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,400 returns.—First-class Dispensing and Retail in popular Northern Inland Resort; net profit £300; price £1,200, or £100 goodwill and valuation of stock and fixtures.

£1,000 returns, increasing.—YORKSHIRE.—Large town; middle-class Retail and N.H.I.; net profit £350; price £650.

£550 returns.—WARWICKSHIRE.—Dispensing and Light Retail; Inland Resort; good house and shop; price £200.

£1,400 returns.—MIDDLESEX.—Exceptionally profitable good Family Retail; net profit proved by books over £500; price £775.

£600 returns.—DERBY.—Working-class Retail; unlimited scope for N.H.I.; price £240, value of stock and fixtures, or nearest offer.

£630 returns.—KENT.—Good-class Light Cash trade; fine position; good house and shop; price £250.

We have cash Buyers for businesses from £500 to £5,000.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

50 years' experience in every branch of business.

Recommended by— BRITISH DRUG HOUSES, LTD. MEGGESON & CO., LTD. BARCLAY & SON, LTD.

Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph.C. Tel. No. Victoria

GROWING WESTERN SUBURB.—New Business; doing £500

NORTHERN SUBURB.—Returns £1,000; net profit £330 good shop and house; rent £38; unopposed; first reasonabl offer; vendor purchased elsewhere.

BEAUTIFUL district, Surrey; population 4,000; increasin Country Retail, now over £500; rent £35; double-fronted shop good house, stable, etc., nice garden; vendor joining Forces £300 or offer.

GOOD WESTERN THOROUGHFARE.—Returns over £1,000 well-fitted, large shop and good house, giving profit rental c £25; value of stock and fixtures.

DEATH VACANCY.—Good Country Business; 20 miles out returns over £2,000; net profit over £400; small goodwill an valuation, or offer; strongly recommended.

VALUATIONS, Examinations, and Reports; moderate terms prompt personal attention.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial an Foreign Subscribers to the fact that in cases where the require partners, agents or assistants, or wish to sell thei businesses, an advertisement in this Supplement, place in every copy of "The Chemist and Druggist," should b the readiest means of helping them to attain their objec The tariff for such announcements is given under the appro priate headings in the Supplement. Instructions and re mittances can be sent to us direct or through the adve tisers' correspondents in this country.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City,

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—LINCS (Market Town).—Light Family Retail Business, with own Specialities; returns about £1,350, increasing; large double-fronted shop, well fitted and stocked; low rent; price £900.

2.—SOUTH-EAST COAST.—Good-class Business, in excellent position; returns £1,200; low rent; fine house and shop, well fitted and stocked; price £550, or offer.

3.—WILTS.—Unopposed Light Country Retail, with Mineral Waters; returns £1,200; net profit £300 clear; large house and garden; stock worth £650; price £700.

4.—S. WALES (Seaport Town).—Good middle-class Retail; returns £1,400; net profit about £375; fine position; large house and garden; stock and fixtures worth about £800; price £850.

5.—CHESHIRE (Border of).—Light Retail, Dispensing, and Agricultural Business in small town; returns about £1,200; net profit £300; double-fronted shop, fully stocked; price £650.

6.—HOME COUNTY.—High-class Dispensing and Light Family Retail; no opposition; returns about £1,450; net profit £360; good house and garden; modern fitted Pharmacy; good stock; price £800.

7.—KENT (Delightful Locality).—Good-class Country Retail, unopposed; returns £950; no Optics or Photo; large shop; excellent stock; good house; low rent; price £500; good introduction.

8.—GLOUCESTERSHIRE.—Light Family Retail, no Panel or Side-lines; returns £600; good profits; plenty of scope; low rent; nice house and garden; main-road position; price £250.

9.—LONDON, W.—Cash Retail; returns over £1,250; net profit £350; Assistant kept; price £550, or valuation.

10.—LONDON, S.E.—Light Suburban Retail; returns £950, increasing; no Panel; net profit £300; good house and Pharmacy; Price £750.

STOCKTAKINGS.

We undertake stocktakings on a very low scale of commis sion or an agreed fixed fee, and also price out Chemists' own stocktakings. Please apply for our terms.

Businesses Wanted. Buyers Waiting.

BUSINESSES FOR DISPOSAL

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replie addressed to this Office, and forwarded on payment of a additional charge of **6d.**

BERKSHIRE.—High-class Family Retail and Dispensing Bus ness; pleasantly situated, unopposed, and showing stead increase; returns nearly £1,450; excellent profits; nice house an garden; modern fittings; fully stocked; price £800; opportunit seldom offered; cash buyers only entertained. 233/039, Offic of this Paper.

BIRMINGHAM (Suburb).—Excellent good-class Retail and Di pensing Business; returns over £1,000; profits good; lo rent; lease; good house attached. All particulars by giving refe ence to 233/12, Office of this Paper.

BLACKPOOL.—Sound Business, occupying commanding position handsomely fitted, well stocked; turnover £680; valuatio £400; no reasonable offer refused. Apply, 230/25, Office o this Paper.

HELSBY, CHESHIRE.—Chemist's Business for Sale; establishe 17 years; extremely low rental; beautiful district; a splendi chance to secure a good business. For full particulars apply t Parkin S. Booth, Accountant and Auditor, Association of Manu facturing Chemists, Ltd., 35 and 37 Exchange Chambers, 2 Bir teth Street, Liverpool.

LANDORE, SWANSEA.—Due to owner having decided to retir from Retail trade end of September, and having a sma genuine Business to offer upon advantageous terms, wishes t meet a suitable successor; good house; rent low; N.H. Dispensing old established. Particulars from Dryden, Cloverley, Eversle Road, Sketty, Swansea.

LONDON, E.—Old-established profitable Cash Retail; same hand many years; with N.I.D.; in a busy market place with plent of scope for increase; much neglected; good reason for disposal house 5 rooms and garden; price to immediate purchaser £70, nearest. 232/38, Office of this Paper.

LONDON, N.—Good-class Retail, Dispensing, and Photographic Business for immediate Disposal; very little N.H.I.; to be sold at valuation of stock and fixtures, or at own valuation; this is well worth investigation, being a genuine offer. 232/17, Office of this Paper.

LONDON, S.W.—The chance of a lifetime; £500 cash down before the end of September will purchase old-established Business; splendidly fitted and stocked; fully insured against all War risks, Zeppelins, incendiary fires, etc., for £1,000; owner impatient to join the Colours. Apply, previous to personal investigation, to "Fighting Chance" (221/32), Office of this Paper.

MIDDLESEX.—Good-class Retail and Dispensing; pleasant residential locality; established over 10 years, proprietorship unchanged; returns last three years £800, £913, £864; excellent house; rental £60; price £550 cash. 229/16, Office of this Paper.

MIDDLESEX.—Cash trade; large shop; present hands 18 years; rent £50; 1913 £865, 1914 £967, 1915 £955 in eight months; seven-roomed house, with shop, scullery, cellars, garden, shed, back entrance; price £650; books kept; fullest investigation; personal interview; no application entertained unless accompanied by references; no Dentistry or Optics. 230/10, Office of this Paper.

NORTHERN County.—First-class Family Retail and Agricultural Business; most pleasantly situated; returns approach £3,000, third of which is for own specialities, yielding 65 per cent. profit; excellent position; only *bona-fide* buyers with at least £2,000 to invest entertained; further particulars on receipt of references. "R. N. G." (233/39), Office of this Paper.

SOUTH OF SCOTLAND. — Young Chemist, anxious to enlist, wishes to sell thriving Business; 1914 profits nearly £200; this year's turnover increased over 33⅓ per cent. to end of August; no War prices to be charged in valuation; cash required not over £450. Apply, "Recruit" (234/5), Office of this Paper.

YORKSHIRE.—Good-class suburban Business for Sale; every inquiry solicited; price, valuation; a bargain. 230/1, Office of this Paper.

BUSINESS (small), lock-up; low rental, no rates; good profits; pleasantly situated in working-class neighbourhood; opening for N.I.; no one on Panel within a radius of half a mile; established 55 years; 42 years in advertiser's family. 213/32, Office of this Paper.

CENTRAL Scotland, industrial city, main thoroughfare, and central; old-established Chemist's Business; been neglected, but premises have been modernised and turnover quadrupled in last two years; good Photographic business; moderate rent; price £250 with valuation of stock and fittings, about £1,200; reason, joining Army. Apply, "Confidence" (234/4), Office of this Paper.

FOR Immediate Disposal.—A Cash Drug Store Business, with Optical and Photographic trade, in country market town; good lending Library; splendid chance for young qualified man; large house and garden; rent £25. Full particulars to *bona-fide* applicants. Apply, "Glos" (232/19), Office of this Paper.

LIGHT Retail, Dispensing, Photographic Chemist's; main thoroughfare prosperous, improving South-West of England town; receipts £532 yearly, rising; 15 years same hands; will accept £250 inclusive, having taken Government appointment under N.H.I.; shop, 8 rooms, large stores. Bowen & Co., Auctioneers and Valuers, Bank Street, Plymouth.

LIGHT Retail, Dispensing, and Prescribing Business for Sale; ill-health; charming surroundings; winter and summer resort; handsomely fitted and heavily stocked; unopposed; fine position; large house and shop; returns £1,200; good profits; price £900, about value of stock and fixtures; scope for much larger return at once; no agents. "South Coast" (232/30), Office of this Paper.

VERY profitable Business in the fruit-growing district of North Kent; nearest opposition four miles; large double-fronted shop, well fitted and stocked; excellent house, containing two reception-rooms, four bedrooms, bathroom, two box-rooms, two yards, kitchen, and scullery; large photographic room and darkroom; three entrances; garden, with lawn and seven fruit trees; rent on lease; good reasons for selling; price £450; hours 9 till 8, Wednesday 1 o'clock, Saturday 9 till 8.30; not open Sunday; first time advertised. 233/6, Office of this Paper.

AGENCIES.

CHEMIST'S Side-lines and Sundries.—Wanted, Commission Agents with connection amongst Wholesale Chemists, Grocers, Dealers, etc.; liberal commission; only *bona-fide* men with ability need apply. 228/22, Office of this Paper.

MANUFACTURER'S Agent with connection in Scotland with Wholesale and Retail Chemists, Perfumers, Hardware Stores, etc.; open to accept additional Agencies. 228/20, Office of this Paper.

TRAVELLERS offered excellent Side-line; Agency for Sanitary article universally wanted; expenses and commission. State areas covered, Campion, 58f Hatton Garden.

SALES BY AUCTION.

BY ORDER OF THE TRUSTEE, UNDER A DEED OF ASSIGNMENT. BY ORDER OF THE RECEIVERS AND OTHERS.

SALE ROOMS, 62a ALDERSGATE STREET, LONDON, E.C.
THE STOCK AND FITTINGS OF THREE CHEMISTS' SHOPS, including 200 Recessed Label Shop-rounds, containing Wet and Dry Drugs, Tinctures, Essences, Syrups, Proprietary Articles, Brushes, Combs, Toilet Preparations,

A LARGE QUANTITY OF SPONGES,

150 Syphons, Photographic Materials, Scissors, Razors, Manicure Sets, Disinfectants, Glauber and Epsom Salts, Pestles and Mortars,

CUT GLASS AND OTHER PERFUMES,

150 doz. Toilet Soaps, and a large quantity of Chemists' and Druggists' Sundries, Nests of Drawers, Scales and Weights, Perfumery, Showcases, Dispensing-screen, Bent-front Counter-cases, two Counters, Plate-glass Shelves,

AN EXPENSIVE SODA FOUNTAIN AND SYPHON FILLER COMBINED, a 4-TAP SODA FOUNTAIN,

and other effects, which will be SOLD by AUCTION by

MR. FRANK G. BOWEN,

at his Sale Rooms, as above, on THURSDAY, SEPTEMBER 16, 1915, at 1. On view day prior and morning of Sale.

Catalogues may be had of Messrs. Francis Nichols, White & Co., Chartered Accountants, 14 Old Jewry Chambers, etc., and of the Auctioneer, 62a Aldersgate Street and Hare Court, London, E.C. Telephone 1861 Central.

By Order of Mr. Parkin S. Booth, Trustee under a Deed of Assignment re John Alexander, Chemist and Druggist,
101 SOUTH ROAD, WATERLOO
On MONDAY, the 13th inst., at Twelve o'clock prompt,

MR. HUGH TONER,

will Sell by Auction,

the CHEMIST'S and DRUGGIST'S Valuable SHOP FITXTURES and FITTINGS comprising mahogany and glazed upright showcases, brass and plate-glass showstand, carved mahogany window enclosure forming showcase, range of showcases, mahogany plate-glass showcases, mahogany shelving, etc.

For further particulars and Catalogues apply to Mr. PARKIN S. BOOTH, ACCOUNTANT TO THE ASSOCIATION OF MANUFACTURING CHEMISTS, LTD., 2 BIXTETH STREET, LIVERPOOL, **and Kimberley House, Holborn Viaduct, London, E.C.**

BUSINESSES WANTED.

ADVERTISER, with capital at command, wishes to purchase a genuine Chemist's Business; please state rent, rates, turnover, price, nature of business, and what living accommodation, if any. Apply, "Ajax," 17 Headfield Road, Savile Town, Dewsbury, Yorkshire.

ADVERTISER is open to purchase immediately a sound and modern Retail and Dispensing Business showing good returns, or a neglected one in good position and good-class neighbourhood; London or suburbs; house attached preferred. Full particulars to "Purchaser" (234/19), Office of this Paper.

SOUND Business wanted in pleasant district, with net income of not less than £500; or £5 given for particulars of good opening if acted upon. Send full particulars to 229/12, Office of this Paper.

TO LET.

MANCHESTER.—Well-fitted Shop, No. 3 New Brown Street, just off Market Street; this is in the centre of the business area of the city, and there is a large traffic along the street; rent £70. Apply, William Wilson & Son, Estate Agents, 5 New Brown Street, Manchester.

AN old-established Chemist's Business to be Let in a market town in the Midlands; situation excellent; business has been neglected by present proprietor, who is retiring; fixtures could be taken at a low figure; on the Panel. Apply, W. H. Stephan, Qualified Chemist, Chipping Norton, Oxon.

FOR SALE.

FOR Disposal, the contents of a small private Surgery of a medical man retiring, inclusive of Fixtures, etc.; outside Standard Lamp complete, Consulting-room Couch and other little matters, an 8-day Chiming Clock, silver face, with bracket. "B.," 3 Werter Road, Putney, S.W.

NEARLY new National Cash Till for Sale; small machine, with all recent improvements. Write, Evans, 5 Cromwell Grove, Shepherd's Bush Road, W.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

RETAIL.

BIRMINGHAM.—Qualified Assistant for Branch business; one who is not eligible for the Army preferred; must be good Counterman; knowledge of Photography, and able to Prescribe occasionally; salary £3 weekly to commence (outdoors); permanency, to suitable man. When applying state age and reference, Tranmer, 42 High Street, Smethwick, Birmingham.

BLACKPOOL.—Smart, up-to-date unqualified Assistant, about 24; good Dispenser and Window-dresser; permanency; used to quick Cash trade; three Assistants kept; hours 8.30 to 8.30, Wednesday 1 o'clock, Saturday 11 o'clock; Sunday one in three; progressive salary to right man. Send photo and references, with full particulars, Galloway, Blackpool.

BRADFORD.—Wanted, unqualified Assistant for Family business and N.H.I.; comfortable berth. 230/6, Office of this Paper.

BRIGHTON.—Assistant wanted, lady or gentleman (indoors), for select Dispensing business; no Insurance work; qualification unnecessary; hours and duties light; only one kept; time for classes could be arranged. State salary, age, height, when disengaged, and all particulars, in first letter, Hall, Chemist, 154 Marine Parade, Brighton.

BURSLEM.—Assistant, qualified or unqualified, for Country Wholesale and Retail; outdoors; single; short hours; several others kept; must be good Salesman. State age, height, and experience, with references and salary required. Thos. Leicester, Chemist, Burslem.

CARDIFF.—Duck & Son, Chemists, have a vacancy for an outdoor Assistant; capable Dispenser. State age, height, references, and salary required; photo.

ERITH-ON-THAMES.—Assistant, outdoors, qualified or unqualified, with knowledge of Dispensing and Photo trade; brisk modern business; reasonable hours; no Sunday or night duty; good salary offered to steady, energetic man. W. Reeson, M.P.S., 80 High Street, Erith, Kent.

LIVERPOOL.—Clubb & Co., 138 Smithdown Road; competent Assistant; outdoors; good references required; part-time might be arranged.

LIVERPOOL District.—Exceptional opportunity for a really smart unqualified man; must be steady, trustworthy, energetic, and a good Salesman. To save time please send photo (returnable), full particulars, and references to "Encouraging" (232/31), Office of this Paper.

LIVERPOOL.—Wanted, an Assistant, with some knowledge of Dental work. Usual particulars and references to 234/3, Office of this Paper.

LONDON.—Wanted, in about a month, good outdoor, unqualified Assistant; reliable man essential; to push Counter trade. Apply, H. T. Hines, 86 High Street, Whitechapel.

LONDON Panel Committee.—Chemist or qualified Dispenser required to assist in the examination and scrutiny of Insurance Prescriptions (not price-checking). Applications, giving full particulars as to age, qualifications, experience, remuneration, and whether whole or part time offered, to the Secretary, London Panel Committee, Staple House, 51 Chancery Lane, W.C.

LONDON, N.W.—Junior Assistant wanted, with Dispensing experience; outdoors. P. Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W.

LONDON, N.W.—Assistant required for good-class business; one with Dispensing experience preferred; usual particulars. Apply to Stevens, 38 Heath Street, Hampstead.

LONDON, S.W.—Assistant with first-class Dispensing experience; no Sunday or Bank Holiday duties; salary up to £2 10s. Full particulars to 232/24, Office of this Paper.

LONDON, S.W.—Junior Assistant; indoors; must be a neat and accurate dispenser and accustomed to good-class business. Apply, stating salary and usual particulars, to J. Selley, 202 Earl's Court Road, South Kensington, S.W.

LONDON, S.W.—Dispenser required, holding the Minor qualification; salary, to commence, 30s. per week (outdoors); hours of work approximately 8.45 a.m. to 6.30 p.m., Saturday 1.15 p.m.; no Sunday duty. Write, giving full particulars of past experience, to "L. J.," 878, Sells Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Young qualified Assistant required early in October; Scot preferred; salary £3 weekly (outdoors). Please give usual particulars to 233 1, Office of this Paper.

SWINFORD UNION.

APPOINTMENT OF ANALYST OF MEDICINES.

THE Board of Guardians of Swinford Union will, at the meeting to be held on Tuesday, September 14, 1915, proce to appoint a duly-qualified Analyst of Medicines for the Unio at a salary of £15 a year.

Samples of Drugs will be forwarded to the Analyst from tl Workhouse and five Dispensaries in the Union, and the sampl must be promptly analysed. The Analyst's reports, in tl prescribed form, must be furnished in duplicate.

Applications will be received by me up to 11 o'clock a.m. on tl above date, and the appointment will be subject to the sanctic of the Local Government Board.

By Order,
T. R. McNULTY,
Clerk of Union.

Board Room, Swinford,
1st September, 1915.

LONDON, W.—Junior Assistant; outdoors; Light Retail a Dispensing business; hours 8.30 to 9, and alternate Sund duty for two hours. Apply, H. A. Irwin, 2 Station Parad Ealing Common, London, W.

LONDON, W.C.—Qualified Assistant (outdoors). State usu particulars, with salary required, 234/1, Office of this Pape

MANCHESTER.—Qualified Manager for Branch. State age, e perience, and salary required, R. Needham, Chemist, Sta bridge.

MANCHESTER.—Qualified Assistant, age about 35 years. Sta full particulars, references, and salary required (outdoor Jeans, 151 Oxford Road, Manchester.

MANCHESTER (outdoors).—Wanted immediately, qualifi Manager to take complete charge of high-class Dispensi business; married; age between 30 and 40 preferred; must thoroughly experienced and reliable; good salary. Apply, 230/4 Office of this Paper.

MIDLANDS.—Unqualified Junior Assistant with Photograpl experience required; permanent position. State age a salary required, "Dalston" (232/7), Office of this Paper.

MIDLANDS.—Unqualified Senior Assistant; age about 26; p manent and progressive berth. Reply, "Verisan" (221/26 Office of this Paper.

READING.—Wanted at once, young qualified Assistant, gent manly and obliging, for good-class Dispensing and Lig Retail; must be well recommended. State usual particulars, wi salary required, to J. C. Rowell, 3 Duke Street, Reading.

SHEFFIELD.—Wanted, September 18, a qualified Assistant i the Mixed Retail trade in a working-class district; one havi had some experience in this class of trade preferred; N.H.I.; p manency; Thursday half-holiday; no Sunday duty; outdoor references to be sent for strict investigation. Exor. J. Wat 596 Attercliffe Road, Sheffield.

SOUTH OF ENGLAND.—Assistant required; experienced; p manency, with good salary. Timothy White Co., Lt Chemists, Portsmouth.

SOUTH WALES.—Required immediately, capable qualified Assi ant; age 40-50; permanent and comfortable post to a m not afraid of work. State when at liberty, 232/07, Office of t Paper.

STAMFORD.—Wanted, as soon as possible, Assistant; qualif or not; must be good Dispenser, Counterman, and P scriber. Apply, stating previous experience, height, salary quired, and references, Dickinson, Stamford.

STREATHAM Provident Dispensary.—Required at once, reliable Locum for fortnight; short hours and duties v light; no age limit if competent; state salary, qualification, full particulars, also length of time in last two permanent bert Apply, personally or by letter, to "Dispenser," 16 Natal Ro Streatham, S.W.

WAKEFIELD.—Wanted, Assistant for Counter and N.I Dispensing; one not eligible for military service; elderly n or lady would suit. State age, experience, and salary requi (outdoors). Apply, Whaley, Chemist, 43 Kirkgate, Wakefield.

WEST HAM and Eastern General Hospital, Stratford, E Wanted, a qualified Assistant Dispenser (male); age 30 years; salary 35s., with dinner. Apply, with copies of th recent testimonials, to A. W. Scrivener, Secretary.

WHITLEY BAY, Northumberland.—Qualified Manager wan for Branch; Store experience preferred. Write, "Chemis Starbeck Hall, Harrogate.

WOOLWICH.—Capable Assistant wanted, unqualified; qu Cash trade; half-day and extra early evening weekly f 6 p.m.; must have best of references; salary and commiss Apply, Reynolds's Cash Pharmacy, 6 Tunnel Entrance, Woolw

A GOOD Junior for a high-class Retail and Dispensing busin good hours. State particulars and salary required (o doors), W. Parry-Jones, Chemist, Barnet, Herts.

A QUALIFIED and experienced Assistant required for good-class business with N.H.I.; capable of taking charge; good Counterman; outdoors. Apply, with particulars of experience, stating salary required, and enclosing photo if possible, to Walter E. Plaat, Pharmaceutical Chemist, 28 High Street, Doncaster.

AN energetic Assistant required, unqualified, single, for Mixed Country business; good references essential; state salary. W. Mousley, Chemist, Redditch.

ALLEN'S Drug Stores, 155 Praed Street, Paddington, require an elderly qualified man immediately as Locum; must have good references.

ASSISTANT, unqualified, wanted; good salary; reasonable hours; no Sunday duty. Apply, with usual particulars, to J. Thompson, Chemist, Sparkbrook, Birmingham.

ASSISTANT required shortly for good-class Dispensing business; outdoors. Apply, stating fullest particulars, to "Manager," Stocks & Jacklin, Ltd., 118 Wilmslow Road, Withington, Manchester.

ASSISTANT required; qualified; outdoors; short hours; good experience. Apply, John Bell & Croyden, Ltd., 50 Wigmore Street, W.

ASSISTANT, unqualified, capable and active, for quick Cash trade. Apply, giving particulars of references, experience, and salary required, to J. E. Walker, Pharmacist, Church Street, Preston.

BEVAN & SON, Pharmacists, Harwich, Essex, require reliable Assistant for October 4; used to Dispensing; two kept. State salary (in- or out-doors), age, experience, and references. Body used to a Pharmacy, or middle-aged gentleman, or active partner would be entertained.

BRADY & MARTIN, LTD., have a vacancy for a qualified Assistant for the Dispensing and Retail Counter; indoors; application from a lady (outdoors) would be entertained. Apply letter, Brady & Martin, Ltd., 29 Mosley Street, Newcastle-on-Tyne.

COMPETENT Assistant wanted; one capable of taking charge; permanency to suitable man. Apply, with full particulars as to age, experience, and salary required, giving references, to J. Smalley, Chemist and Optician, 12 Carr Street, Ipswich. Applications not answered in three days declined with thanks.

COOPER, Son & Co., Ltd., 80 Gloucester Road, Kensington, S.W., require a qualified Junior Assistant, with good-class Dispensing experience. Apply "A. J. B. C."

DISPENSER, qualified under the Insurance Act, wanted for Insurance department only; outdoors; male or female. Apply, "Veritas" (233/13), Office of this Paper.

DRUG Department.—Junior Assistant wanted (male or female); no Dispensing; moderate hours; no Sunday duty. State salary required (outdoors), Burgis & Colbourne, Ltd., Leamington.

GENTLEMAN wanted three evenings a week, 6 p.m. to 9.30 p.m.; accustomed to Retail. Apply, 197 Lower Clapton Road, N.E.

JUNIOR for Dispensing and General Retail. State age, experience, and salary required, Neve & Co., Pharmaceutical Chemists, Seddlescombe Road, St. Leonards-on-Sea.

JUNIOR Assistant wanted for Mixed Country business; good Window-dresser and quick Counterman essential. Apply, with full particulars, and stating salary required, Armstrong, Chemist, Seaham Harbour.

JUNIOR wanted for best-class Dispensing business; indoors. Apply, A. H. Ellithorne, 26 Wellington Road, Oxton, Birkenhead.

JUNIOR wanted (lady or gentleman) in good-class Light Retail and Dispensing; outdoors; no Sunday or holiday duties. Full particulars and photo (if possible) to Wootton & Webb, Luton, Beds.

JUNIOR or Improver required for small Country business; indoors; easy place; plenty of time for study if required. Apply, with particulars, etc., to W. H. Coley, Chemist, Sutton Bridge, Lincs.

JUNIOR Assistant wanted at once for brisk Retail; smart Salesman and Window-dresser essential. State age, height, when disengaged, salary required. Give full particulars experience, references, etc., to Davies Brothers, Chemists, 10 Hannah Street, Perth, Glam.

LOCUM (Birmingham), three weeks from September 20; state outdoor terms and give sound references; applications not answered in three days respectfully declined. Apply, 231/14, Office of this Paper.

LOCUM Doctor's Dispenser wanted immediately. Please send particulars and references to Bailey, 68 Hochliffe Road, Leighton Buzzard.

MANAGER for small Branch shop; house; easy hours; light business; healthy neighbourhood; a permanency for suitable man. State full particulars of experience, age (elderly man not objected to), salary required, Harrison, Salisbury.

MESSRS. RANSFORD & CUNNINGHAM desire an Assistant; outdoors; good salary to a capable man. Full particulars, references, and photo to 36 Sandgate Road, Folkestone.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

PART-TIME Assistant, Mondays and Saturdays from 7 p.m., Fridays from 2 p.m. Send terms and full particulars to "Gentian" (234/12), Office of this Paper.

QUALIFIED married Assistant to live on business premises; must be accustomed to good-class business; also a good Junior. Symes & Co., Ltd., 14 Hardman Street, Liverpool.

QUALIFIED Manager wanted; elderly man not objected to if active; one desiring a permanency; comfortable berth. Please state full particulars, etc., in first letter to Jacques, Chemist, York Street, Heywood.

QUALIFIED man required in small business; would suit middle-aged gentleman desiring occupation, or one in delicate health; permanency; easy hours could be arranged. Please state age and salary required to Mrs. Francis, 12 Arundel Street, Portsmouth.

QUALIFIED Chemist as Manager of Drug Department; turnover £35 per week, including £3 Insurance prescriptions; Society's membership over 9,000; good opening. Apply at once, by letter, enclosing copies of two testimonials, and stating age, qualifications, and salary required, to General Manager, Co-operative Society, Ltd., Long Eaton, Derbyshire.

QUALIFIED Assistant required for quick business in London. State age, salary required, when disengaged, and particulars of experience to 230/027, Office of this Paper.

QUALIFIED Assistant (at once), male or female, age immaterial; light duties; 6 hours daily. Apply, with full particulars as to salary, etc., to "Z." (234/14), Office of this Paper.

RELIABLE Assistant (outdoors); chiefly for Dispensing; qualified preferred; good experience and references. Apply, stating age, height, salary, and enclosing photo, to E. Bing & Son, Pharmaceutical Chemists, Canterbury.

RELIABLE Junior Assistant required immediately (outdoors). Send full particulars and photo (if possible) to Ralph Cuthbert, Ltd., Chemists, Huddersfield.

REQUIRED, a youth used to a Chemist's shop or Doctor's surgery. Apply, by letter, with full particulars, to Dr. Cohen, 100 Commercial Road, E.

REQUIRED at once, one qualified and one unqualified Assistant, the former, elderly preferred, to undertake the management of Branch; a very easy and comfortable post; the other for head establishment; may be elderly or not. Full particulars as to salary required, references, etc., Mayors, Chemists, Inverness.

SEVERAL smart unqualified Assistants wanted; good salary and commission; only good men required. Apply, with fullest particulars, to 233/016, Office of this Paper.

SMART qualified Manager required immediately; must be energetic and thoroughly reliable; good salary and commission. Apply, by letter only, with full particulars, 233/16, Office of this Paper.

UNQUALIFIED Assistant required about October 4; outdoors. Apply, stating age, height, and salary required, to Graham, Chemist, Smallthorne, Stoke-on-Trent.

UNQUALIFIED Junior Assistant (outdoors), for Light Retail and Dispensing business; no Sunday duty; usual half-day on Wednesday; one willing to make himself generally useful preferred. Please send full particulars, in first letter, to Barrett, Chemist, 21 Albert Road, Devonport.

UNQUALIFIED Junior Assistant, with military disability; fair knowledge of Dispensing and Counter work essential; comfortable position for one desiring a permanency. Usual particulars, with photo if convenient, to G. Dauncey, 6 Nugent Terrace, St. John's Wood.

UNQUALIFIED smart Assistant with good all-round experience for London suburb; one ineligible for the Army preferred. Apply, in confidence, to "Alpha" (230/27), Office of this Paper.

WANTED, smart Junior. State full particulars, experience, salary required, etc., to "Chemist," 19 North Azalea Terrace, Sunderland.

WANTED, a permanent Assistant for good-class Dispensing and Retail business; to live on the premises; suitable for a young married man without family, or for a lady Assistant accustomed to Dispensing and having some knowledge of the Retail; good references required. Apply to Mr. Amoor, 5 Putney Hill.

WANTED, gentlemanly Junior Assistant, where three are kept, in high-class Dispensing business in N.W. London. Apply, with full particulars, to 230 12, Office of this Paper.

WANTED (immediately), reliable Assistant. Dee, Chemist, 274 Earlsfield Road, Earlsfield.

WANTED, Assistant (unqualified) for Country Store Drug Department; one accustomed to manufacture of Proprietary goods and Window-dressing. Lankester & Crook, Ltd., Woolston, Southampton.

WAR Vacancy.—Wanted, unqualified Assistant: outdoors; medium-class Mixed trade, with N.H.I. Dispensing; comfortable berth; good salary; Thursday half-holiday; no Sunday duty. Jones, M.P.S., Ucal Pharmacy, Swinton, near Rotherham.

WHOLESALE.

BAISS Brothers & Stevenson, Ltd., have a vacancy in their staff for a Clerk, experienced in the Shipping and Invoice work of an Export Druggist. Particulars, stating age and salary expected, to The Secretary, 174, 176 Grange Road, Bermondsey, London.

DISPENSER wanted (male or female), to go to United States as Working Manager of compounding-room of American Manufacturers (British owned) of Patent Medicines and Toilet Preparations; excellent opportunity; permanent position, and advancement for reliable person. State, in confidence, full particulars of experience, qualifications, salary, and references. Address "America," c/o Advertising Offices, 11 Southampton Row, W.C.

DRUG Trade.—Experienced Wet and Dry Counter hands wanted at once; good wages. Apply, by letter, to "W. C. H.," Burgoyne, Burbidges & Co., East Ham, E.

DRY Counterman wanted; comfortable permanency; mention age, experience, and all usual particulars. "B. U." (233 4), Office of this Paper.

INVOICE Clerk, with some experience of Drug Trade, wanted at once. Apply, The Secretary, The British Drug Houses, Ltd., Graham Street, City Road, London, N.

INVOICE Clerk.—Lady, with experience and quick at extension: London Wholesale Druggists. State full particulars to "I. C." (221 210), Office of this Paper.

INVOICE Clerk (male) wanted for Home Department of old-established Wholesale Druggists, South London; must have served in similar capacity and be experienced. Full particulars, stating age and salary expected, to 221 34, Office of this Paper.

LABORATORY Assistant; duties principally manufacturing Toilet Specialities; candidates must have had previous experience in that branch. Apply, Record Office, Selfridge's, Oxford Street, W.

LEDGER Clerks (female), also Invoice Clerk (typist), wanted. Jules Denoual & Co., Carlton Works, Asylum Road, S.E.

PACKER required by London Export Druggists; previous experience essential. Apply, "Export" (221 21), Office of this Paper.

TRAVELLER required by Manufacturing Chemist, for country, to take as Side-line several small lines; liberal commission to the right man. Apply to Frederic F. Curtis, 20 Bury Street, British Museum, London, W.C.

WANTED, one or two experienced and reliable Junior Assistants for the Wet Counter. Apply, stating age, experience, and wages required, to Lofthouse & Saltmer, Ltd., Wholesale Druggists, Hull.

WANTED, Assistant for laboratory of Wholesale Chemist. State experience and salary required. Apply, "Iodine" (220 63), Office of this Paper.

WET HANDS wanted immediately for London Wholesale; also Junior Clerks, accustomed to the trade. Apply, by letter, "Bhodol" (220 51), Office of this Paper.

WET Floor.—Wanted, experienced Assistants. Apply to Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C.

YOUNG Chemist, having some knowledge of Pharmacy, wanted by a Dublin Manufacturing firm. Reply with copies of testimonials, and stating salary expected. Applications from ladies entertained. 218 57, Office of this Paper.

APPRENTICESHIPS.

AN Apprentice in a good-class Dispensing business; indoors; no premium required. Apply to Mr. G. S. Perrett, F.S.M.C., 25 Devonshire Road, Bexhill-on-Sea.

PHARMACIST desires to Apprentice his son in good business; comfortable home. "W. H." (230 2), Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have rep addressed to this Office, and forwarded on payment of additional charge of **6d.**

[HOME.] RETAIL.

A RELIABLE Manager, qualified, with years of experienc successful Management in London, disengaged 20th inst. or near London preferred; £3 15s., with commission on incre or would arrange to occupy house; could call Saturday after or any evening after 7. Stanley Redman, 32 Marlborough R Wimbledon Park, S.W.

AS responsible Manager, good Family or Agricultural busi or combined Wholesale and Retail; advertiser has over 25 years' active experience, and understands the valu close and intelligent management; Qualified Chemist; energe well educated; unexceptionable references. "Ammon (230 013), Office of this Paper.

ASSISTANT (23) will desire permanency after October ex nation, whether qualified or unqualified. Terms to G. Wi Bailey Wood, Norland, Sowerby Bridge, Yorks.

ASSISTANT; high-grade experience; good Prescriber, Dispe and keen Salesman; 28; married; unqualified; reli "Energetic," 18 Masham Place, Manningham, Bradford.

BELGIAN Pharmacist refugee desires situation in En Pharmacy, Wholesale house, or Chemical works; good r ences. Address, Rene Stevens, 30 Medora Road, Brixton, S.W

BEST offer secures the services of capable unqualified desi change; 28; married; 13 years' West-End and best vincial experience; speciality Dispensing. 231 24, Office of Paper.

BIRMINGHAM.—Assistant; unqualified; age 23; Store private; town and country experience; good references; disengaged. "Rhei," 20 Fentham Road, Handsworth, Birmingh

BIRMINGHAM.—Advertiser, qualified, desiring mornings at disposal, seeks situation for remainder of the day. Ap 233 20, Office of this Paper.

BRANCH Manager, qualified, middle-aged, requires situ for one week commencing September 27. 233 8, Offic this Paper.

CAPABLE business man; reliable Dispenser; Locum or pe nency. 54 Romilly Road, Finsbury Park, N.

COMPETENT Manager, Senior, or Locum, well up in O and Photography; first-class Counterman, Dispenser, B Organiser, and Window-dresser. "Statim," St. Helen's, Lo Road, Pembroke Dock.

DISENGAGED 13th; Locum, permanency; moderate terms cellent references. "Chemist," 124 Stanhope Street, N.

ENERGETIC; unqualified; married; 23; 8 years' good perience; South Wales preferred. 233 5, Office of this P

EVENING work required, three or four a week, Dispe preferred; qualified; reliable. "Septim" (232 25), of this Paper.

EVENINGS; qualified; aged 25; good references. "Stud 35 Elm Road, Plymouth.

EXPERIENCED Dispenser and Bookkeeper; Locum; tow country; disengaged September 18. 231 30, Office of Paper.

HOSPITAL Dispenser, 15 years, requires similar post; exce references. "S. R. S." 18 Richmond Hill, Luton.

JUNIOR, unqualified, Counterman and Dispenser, student a requires permanency; London preferred. 233 33, Off this Paper.

LADY, unqualified, desires post as Assistant Dispenser; gaged September 25; tall; knowledge of bookkeeping; Retail. Apply, Saul, Rock House, Farnsfield, Southwell.

LADY (21), passed Apothecaries' Hall, desires position Chemist or Doctor; Sheffield district preferred; refe Miss Banks, Howley, Batley, Yorks.

LADY Dispenser desires post; Hall qualification; Birmin or district preferred. Miss Hocson, 146 Carr House Doncaster.

LADY Dispenser; Locum or permanency; London, S.W. ferred. "B.," c/o Allen, 560 High Road, Streatham.

ADY Dispenser requires post; Doctor or Hospital; qualified. Miss Clarke, "Stagsholt," March.

ADY Dispenser, Hall qualification, desires post with Doctor or Institution; experienced. 232/9, Office of this Paper.

ADY Dispenser, Hall qualification, desires post, either with Doctor or Chemist. B. Lewis, 38 Orlando Road, Clapham, V.

ADY requires post as Dispenser; 2½ years' experience; accustomed to Panel routine; disengaged at present. 266 Wyggeston Street, Burton-on-Trent.

ADY Dispenser, Hall qualification, desires post; Doctor, Chemist, or Hospital; London preferred. 233/34, Office of Paper.

OCUM; 30; qualified; good references; disengaged now. 230/31, Office of this Paper.

OCUM; unqualified; age 25; disengaged September 20 for two weeks. S. Harris, 1 Laurel Cottages, Stoke Fields, Guildford, Surrey.

OCUM; day or further period; Liverpool, Birkenhead, or district. Address to J. Alexander, 27 Carlton Road, Birkenhead.

OCUM or Manager; qualified; abstainer; disengaged; references. Denny, The Lodge, Brundall, Norwich.

OCUM, Manager.—Qualified Chemist, partially retired, would take temporary charge of good country business; 25 years' experience; energetic service; highest references; disengaged. 232/39, Office of this Paper.

OCUM.—Pharmacist offers services for week, about 16th. 49 Whitley Street, Reading.

OCUM tenens, permanency; unqualified; experienced; disengaged. "Chemist," Dolycoed, New Street, Lampeter, South Wales.

AJOR man (40, married), with first-class London and country experience, desires post as Senior or Manager in good-class Medical, Dispensing, and Retail business, with view to Partnership nearly succession; South or S.W. provinces preferred. 231/17, Office of this Paper.

MANAGER, Pharmacist, 38, tall, wide previous experience, Buyer, energetic, reliable, excellent testimonials, shortly re-engagement, with good remuneration. State salary offered, "S." (230/20), Office of this Paper.

MANAGER; permanency; healthy district; abstainer; experienced; disengaged; married. Burden, 73 London Road, Salisbury.

MANAGER, otherwise; experienced all classes; married; references; unregistered. "Chemicus," 12 Pentonville, Newport, Mon.

MANAGER; qualified; married; 28; first-class experience; good references; trustworthy, capable, energetic. 230/28, Office of Paper.

MANAGER; 42; qualified; shortly disengaged; exceptional experience; good references. "N. M." (230/19), Office of Paper.

MANAGER; qualified; experienced Counter, Dispensing, Photography, Agricultural; permanency; first-class references. "Ried" (231/38), Office of this Paper.

MANAGER or Assistant; married; 48; good Dispenser; 10 years present situation; excellent references. 222/26, Office of Paper.

MANAGER (46), energetic, experienced, reliable, seeking change; increase Branch or entertain easy succession terms. "Reliable" (234/18), Office of this Paper.

M.P.S., at present Hospital Dispenser, free end September, open for similar berth, temporary or per. Offers to 232/8, Office of this Paper.

OMANENCY; Manager or Managing Assistant; unqualified; married; 33; highest references; desiring change; 13 years present situation. Terms, "Alpha" (230/21), Office of this Paper.

PHARMACIST (lady), having Saturdays free, would like extra work, Retail, London district. Apply, "K.," 28 Jenner House, Hunter Street, W.C.

PHARMACIST (29) desires berth as Branch Manager in the North of England; 3 years present berth; not eligible for Military service. "Aspirin" (231/15), Office of this Paper.

PHARMACIST (28), tall, good general experience, requires comfortable berth with view to purchase; short hours; healthy district; Midlands preferred. Full particulars to 232/14, Office of Paper.

PHARMACIST (qualified), age 40, requires responsible position; first-class experience. 232/26, Office of this Paper.

QUALIFIED, well recommended, first-class experience, desires berth as Assistant or Manager; age 27; Retail, Dispensing, Photographic; abstainer. Blake, Willowbank, Walkerburn.

QUALIFIED; experienced; 34; temporary or otherwise; disengaged. "S. W.," 36 Lisbon Street, Leeds.

QUALIFIED Manager or Locum; thoroughly experienced; disengaged next week; satisfactory references; reliable; full particulars, salary, etc.; outdoors; town or country. "Phenacetin" (231/22), Office of this Paper.

QUALIFIED, experienced, requires post where good knowledge of Dentistry could be obtained. State full particulars, 231/3, Office of this Paper.

QUALIFIED Chemist requires employment for three or four evenings weekly. Hopkins, 99 Taybridge Road, Clapham Common, S.W.

QUALIFIED; 31; branch Manager or Assistant; abstainer. "C. E. B.," 54 Buckleigh Road, Streatham.

QUALIFIED (25) desires permanency; Manchester district preferred. "M. P. S.," Southerland House, Lightcliffe, Halifax.

QUALIFIED Locum; elderly; disengaged after Saturday. J. Green, 23 Victoria Road, Edmonton.

QUALIFIED, age 28, married, as Manager; West Country preferred; good references. G. Williams, c/o Keall, Chemist, East Putney, S.W.

QUALIFIED; 29; good experience; view to succession or partnership entertained. "Chemist," 21 Washington Street, Lee Mount, Halifax.

QUALIFIED Assistant; trustworthy; London. 234/26, Office of this Paper.

QUALIFIED (24), 9 years' experience, desires South Coast berth. Write, stating salary, 234/21, Office of this Paper.

REGISTERED; Branch (small); over middle-age; single. Bank Pharmacy, Luddenden Foot, Yorkshire.

RELIEF; evenings; anywhere; shop or Dispensary; qualified; experienced. 232/23, Office of this Paper.

UNQUALIFIED, age 33, tall, married, highest references, first-class experience, good Prescriber and Salesman, wants berth as Manager of Drug Stores; North preferred. "Quinine" (233/19), Office of this Paper.

UNQUALIFIED; 32; outdoors; hours required, 8.30 to 6.30. "Aspirin," 20 Waldemar Avenue, Fulham.

UNQUALIFIED; 44; experienced Dispenser and Counterman; disengaged October 1; outdoors; permanency; married. 231/32, Office of this Paper.

UNQUALIFIED; Assistant or Drug Store Manager; experienced; thoroughly reliable; permanency; married, no family. Taylor, 85 New Park Road, Brixton Hill, S.W.

UNQUALIFIED; Manager Drug Stores; view to succession; highest references. "B." (233/36), Office of this Paper.

YOUNG lady requires situation as Chemist's Assistant; a small knowledge; live in if preferred. 10 Nalton Street, Selby.

YOUNG Belgian Chemist, 8 months' experience in London Retail, seeks new berth in Retail Pharmacy where he may get good Dispensing experience, or in Wholesale; speaks English fluently. 220/37, Office of this Paper.

YOUNG lady, previous experience, desires post with Chemist; Liverpool district. 232/36, Office of this Paper.

YOUNG lady (21), experienced in putting up stock; some knowledge of Counter; outdoors; W., N.W., or Central districts. Smith, 34 Kilravock Street, W.

WHOLESALE.

A PERMANENT position desired by advertiser; experienced in the Manufacture of Galenicals, Specialities, Emulsions; thorough knowledge of Drugs; Lancs or Yorkshire preferred. 231/18, Office of this Paper.

AS Traveller or other responsible capacity; advertiser is a qualified Chemist with 30 years' practical experience; has thorough knowledge of the Wholesale Drug trade, commercially and technically, including Laboratory work, Packed Goods, etc., with organisation of large staff; accustomed to travelling and to large transactions as well as small ones; energetic, well-informed, hard worker; highest references. 230/13, Office of this Paper.

BIRMINGHAM.—Assistant, age 23, unqualified, Store, private, and country Retail experience, desires berth with Wholesale house in Packed Goods Department or Laboratory, etc.; good references. "Energetic," 16 Johnstone Street, Aston Manor, Birmingham.

BIRMINGHAM and Midlands.—Representative, 12 years' sound connection leading buyers, open for one additional line; commission, share expenses; undeniable references; Society guarantee. 227/39, Office of this Paper.

REPRESENTATIVE (Northern Counties, England), with 17 years' personal connection amongst Chemists and Drug Stores, desires Representation of good house in Sundries, Perfumes, or Proprietaries; highest references; 10 years present situation. Please state particulars, 230/34. Office of this Paper.

STOCKKEEPER, Buyer, Drugs, Sundries, Patent, etc.; costs experience in office routine; interview. 233/40, Office of this Paper.

TRAVELLER, experienced commercial training; smart Salesman, open to Represent first-class house; Essences, Oils, Perfumes, etc.; sound connection Manufacturing Confectioners, Mineral-water Makers, Chemists, etc. Apply, 231/28, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

DISPENSER, qualified (lady), desires post in Colonies with Chemist or Doctor; New Zealand preferred, not essential; good experience and in Minor Dressings; willing to help with housework and books, but prefers not to take sole charge of the latter; splendid health and references. Apply, "Grit" (228/4), Office of this Paper.

MISCELLANEOUS.

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